

Program EVALPLOT
(Version 2021-1)

by

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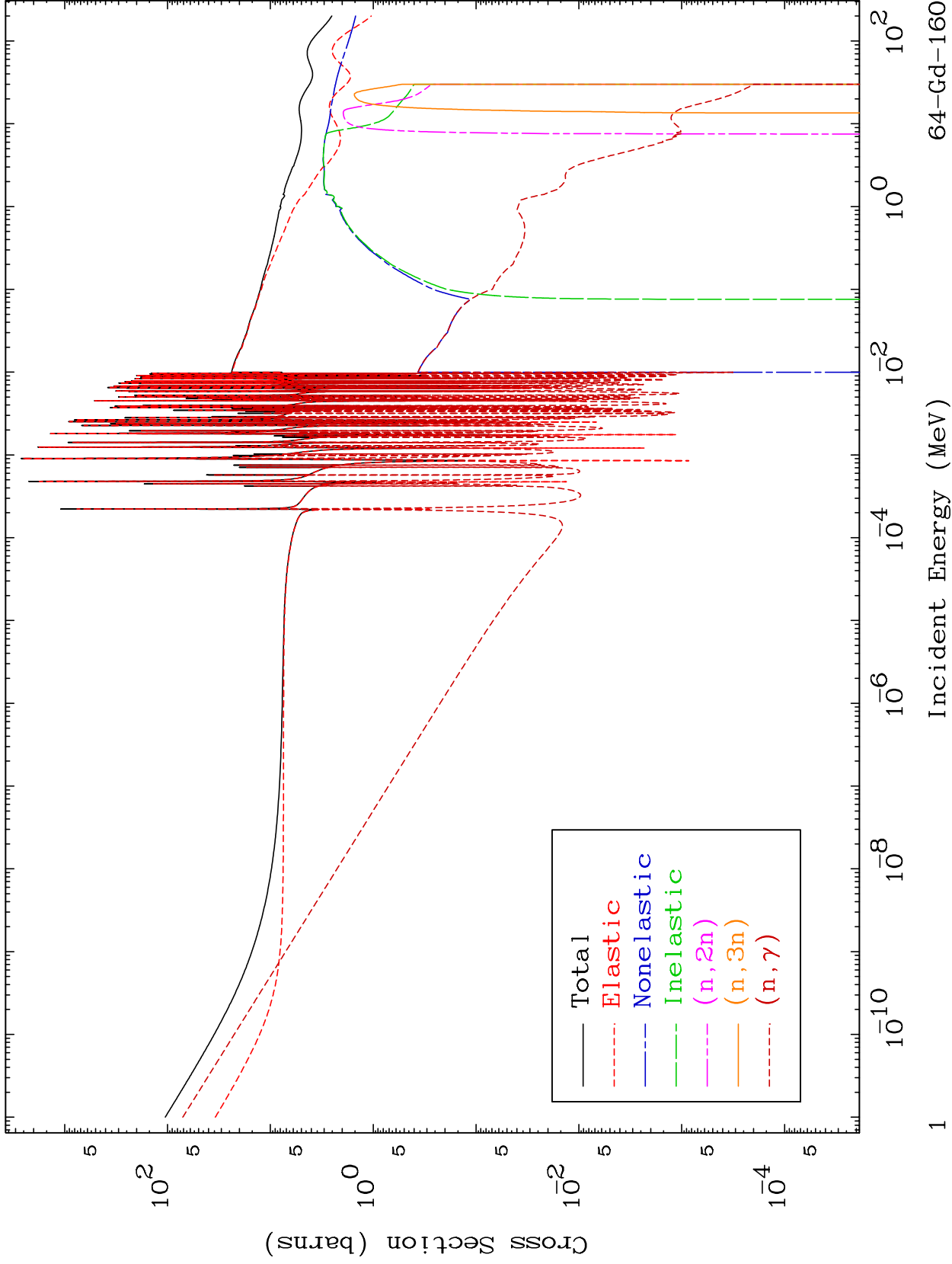
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6449

Neutron Major
293 Kelvin Cross Sections

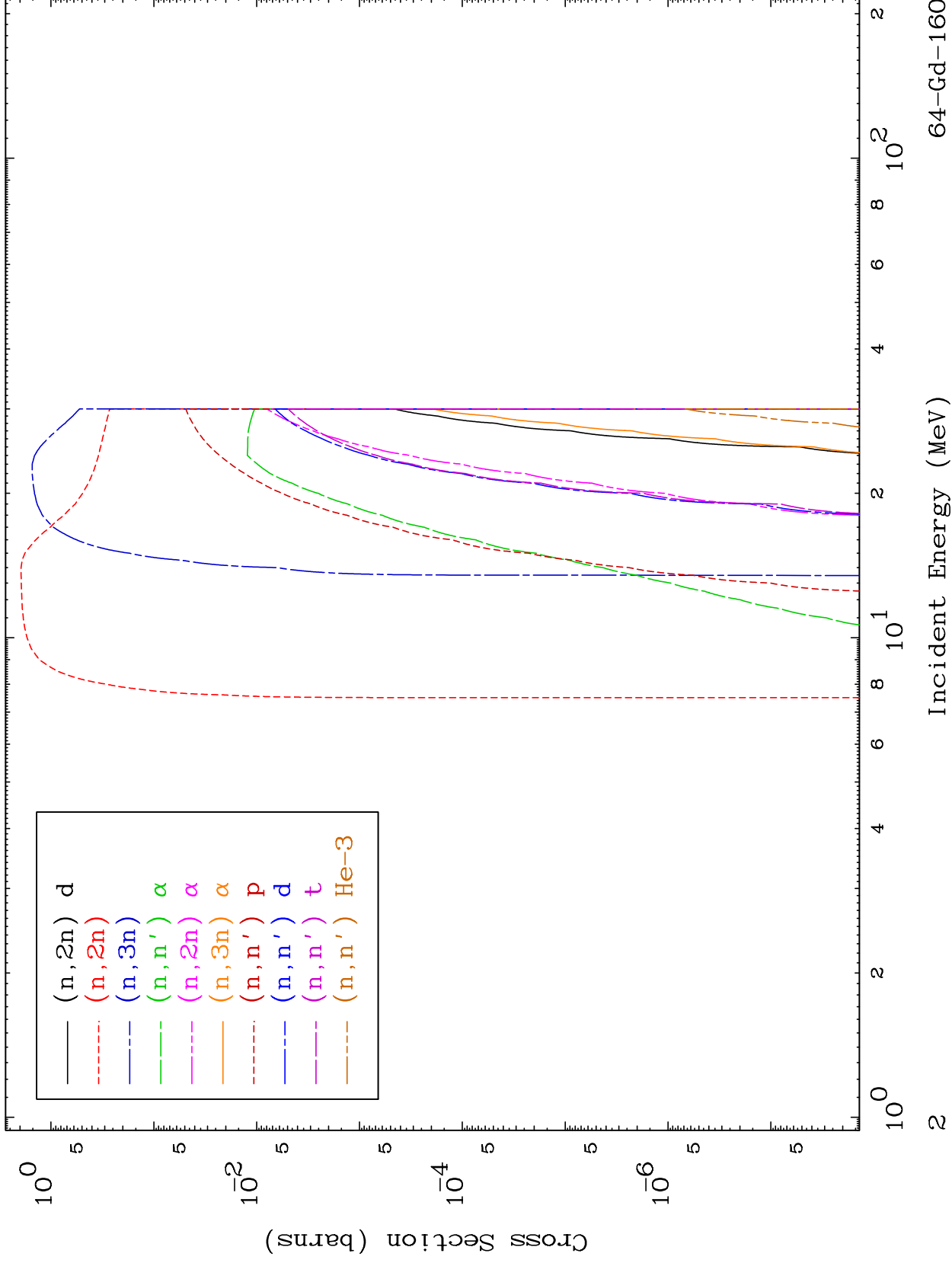
64-Gd-160



MAT 6449

Neutron Absorption
293 Kelvin Cross Sections

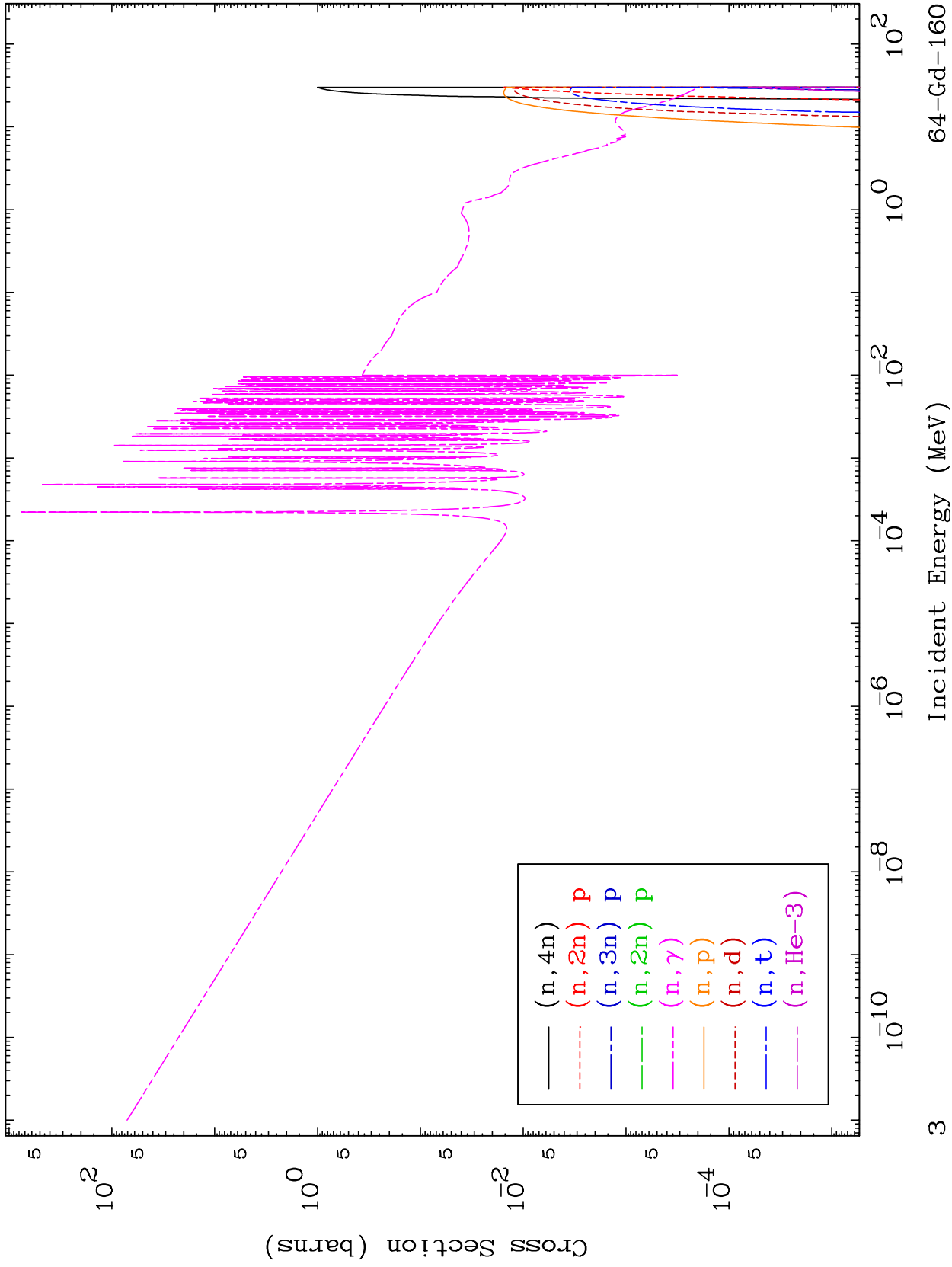
64-Gd-160



MAT 6449

Neutron Absorption
293 Kelvin Cross Sections

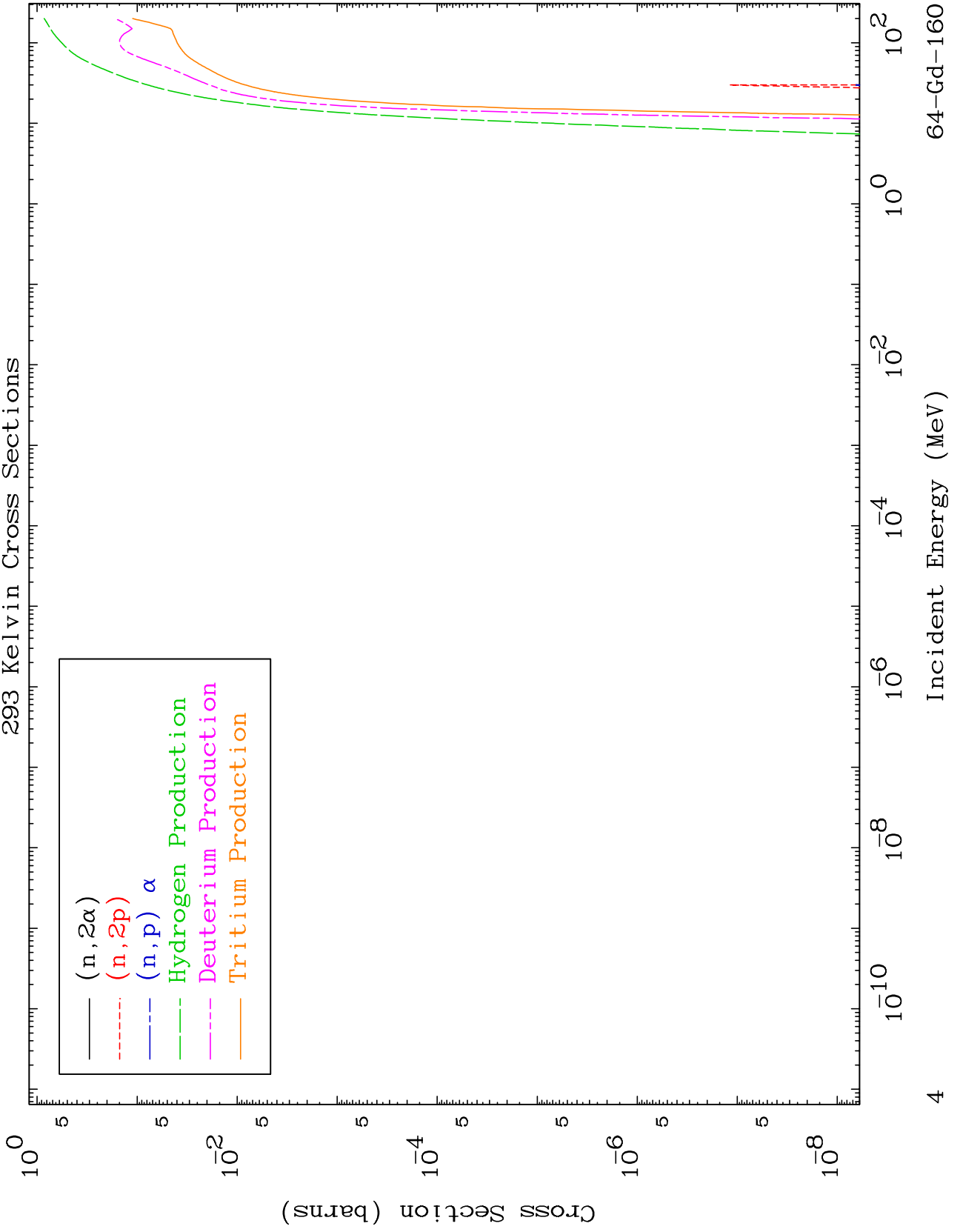
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MAT 6449

Neutron Absorption
293 Kelvin Cross Sections

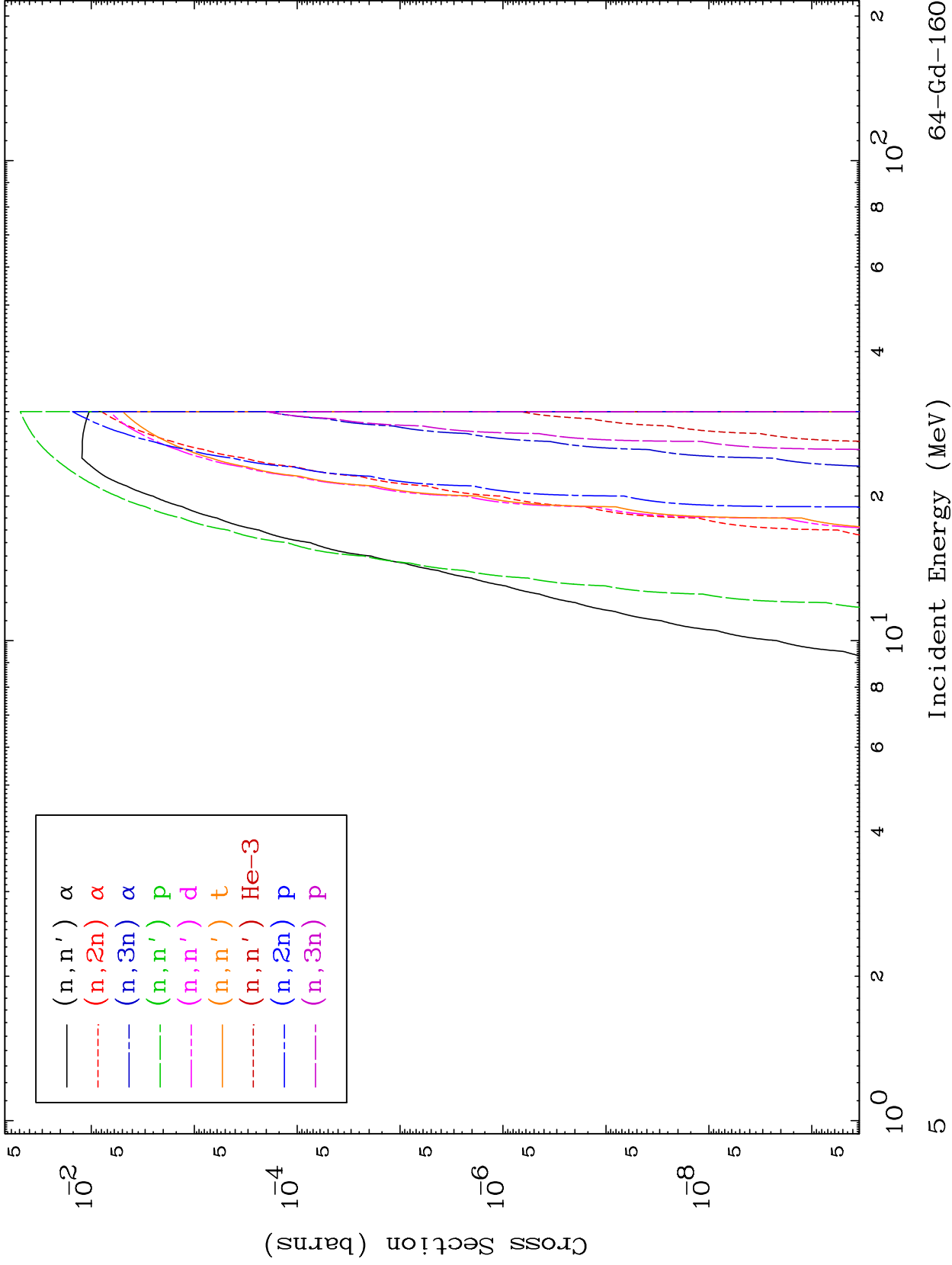
64-Gd-160



MAT 6449

Charged Particle
293 Kelvin Cross Sections

64-Gd-160



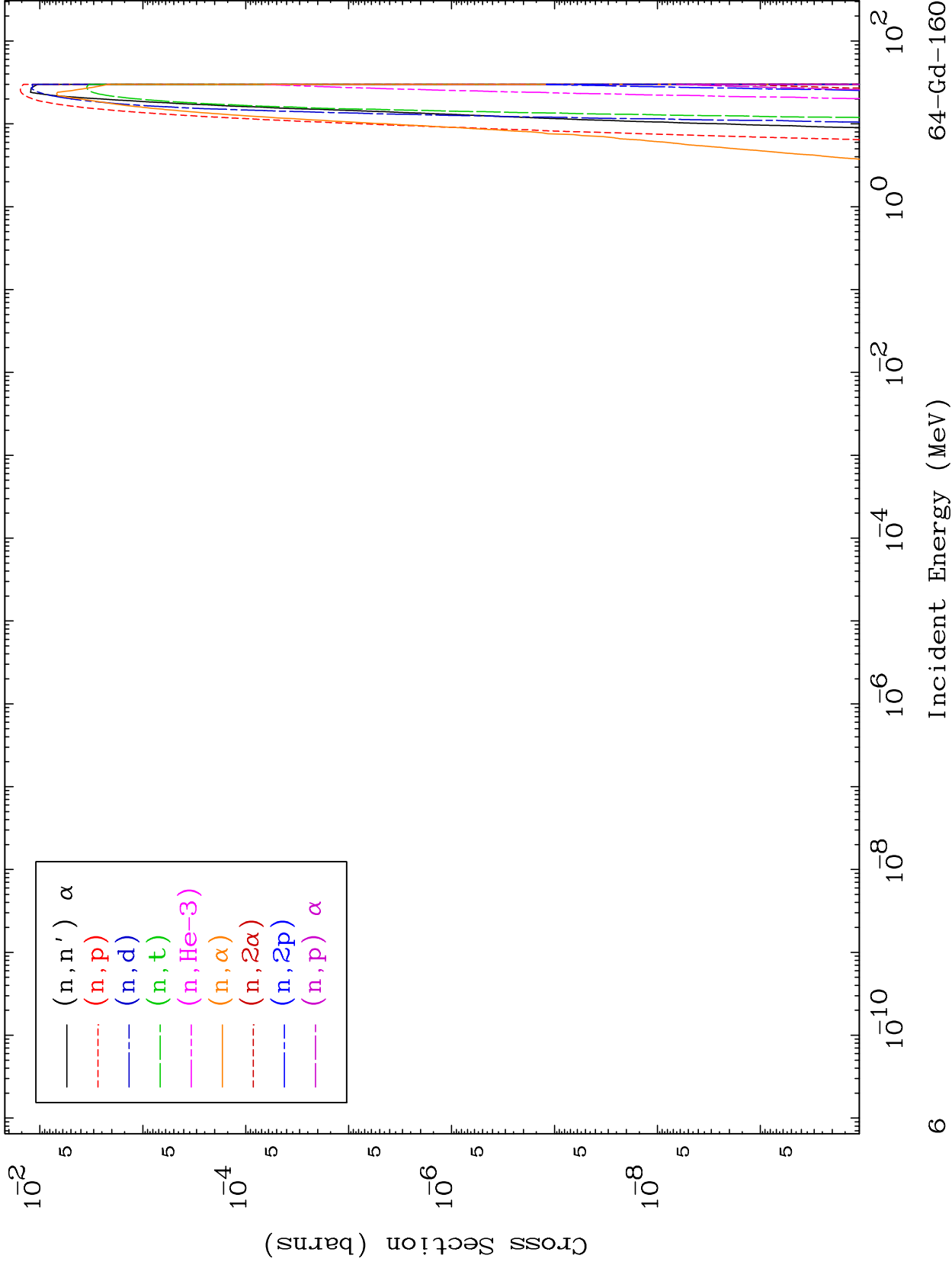
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Incident Energy (MeV)

MAT 6449

Charged Particle
293 Kelvin Cross Sections

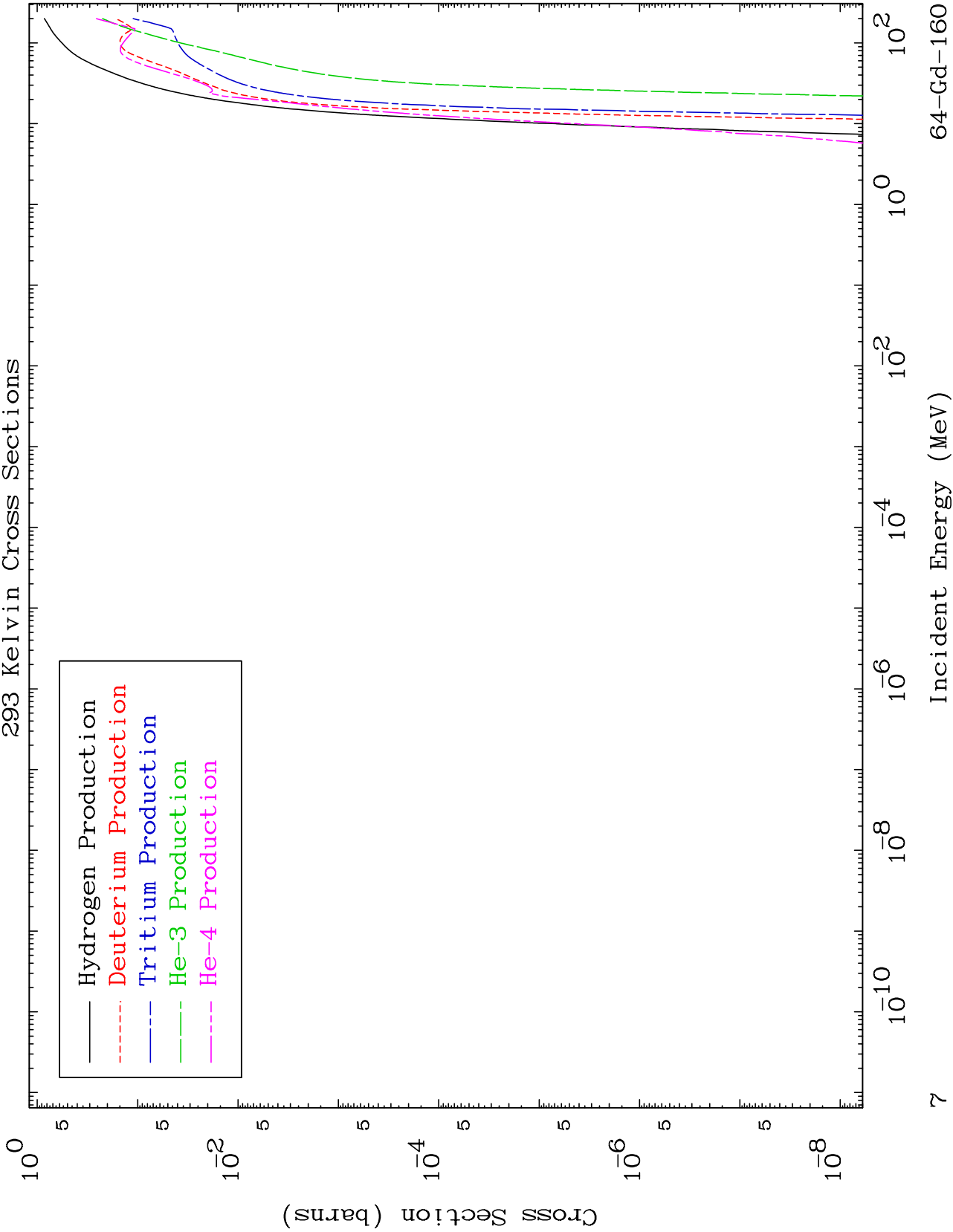
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MAT 6449

Particle Production
293 Kelvin Cross Sections

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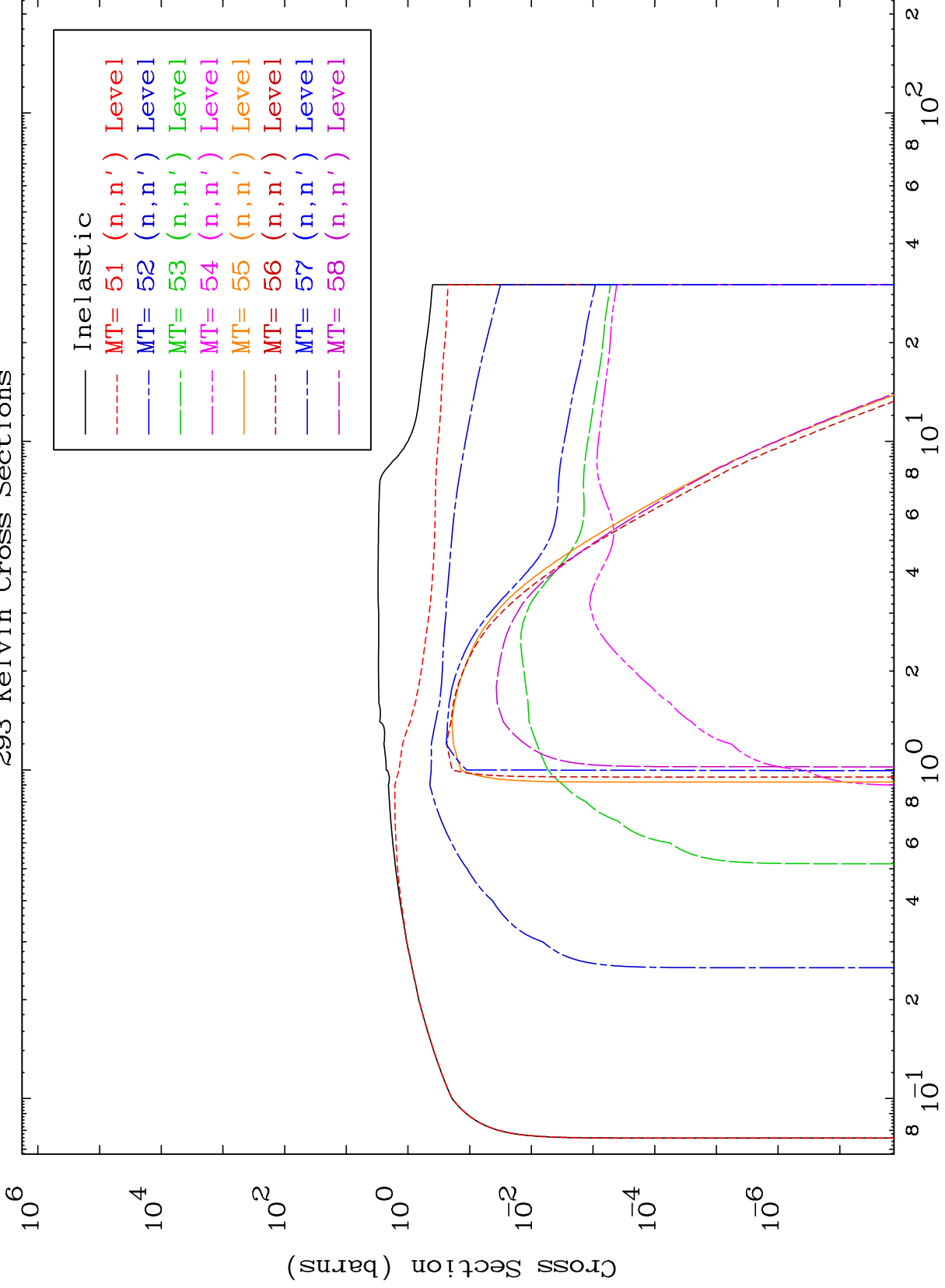


MAT 6449

(n,n') Levels

64-Gd-160

293 Kelvin Cross Sections



8

Incident Energy (MeV)

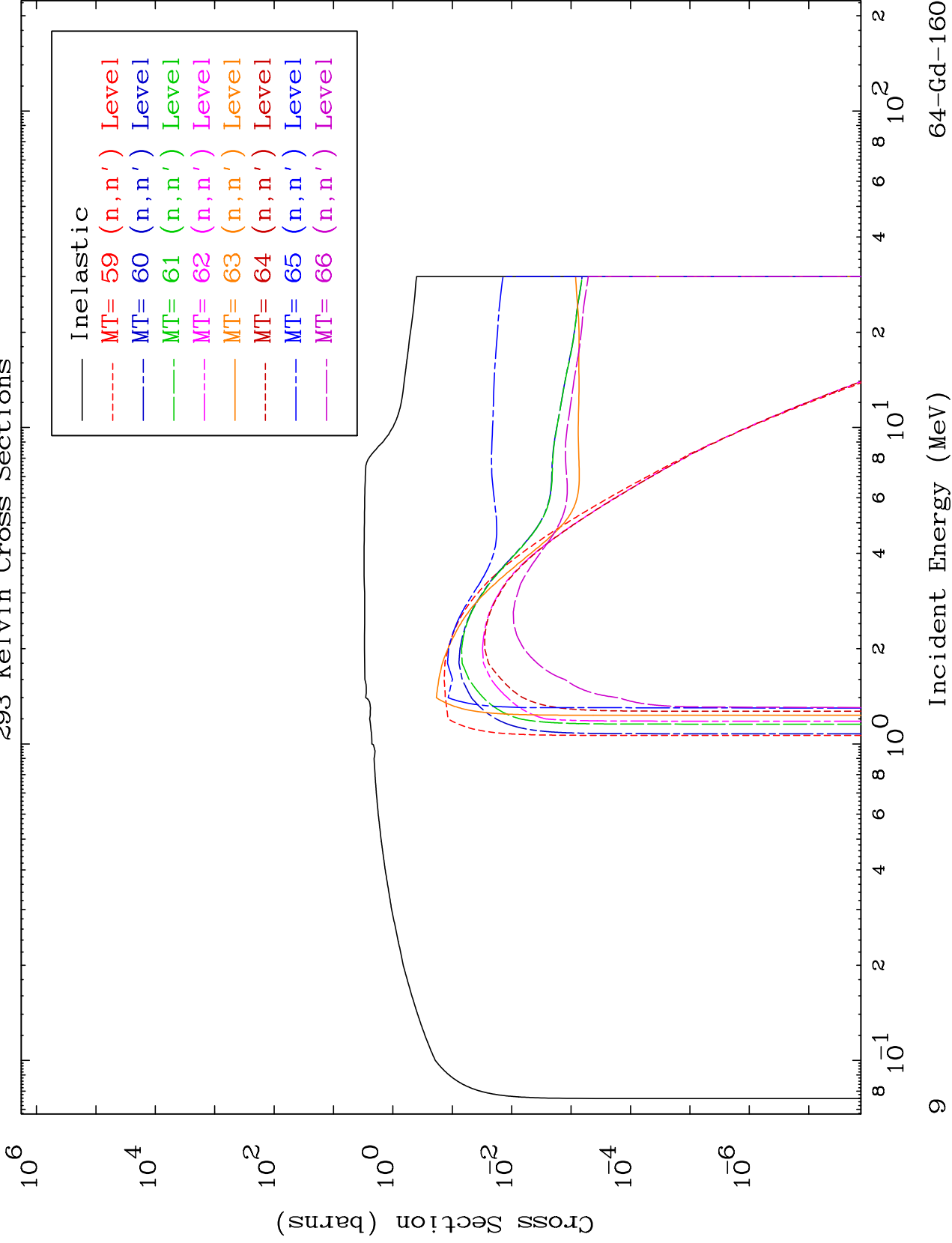
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MAT 6449

(n,n') Levels

64-Gd-160

293 Kelvin Cross Sections

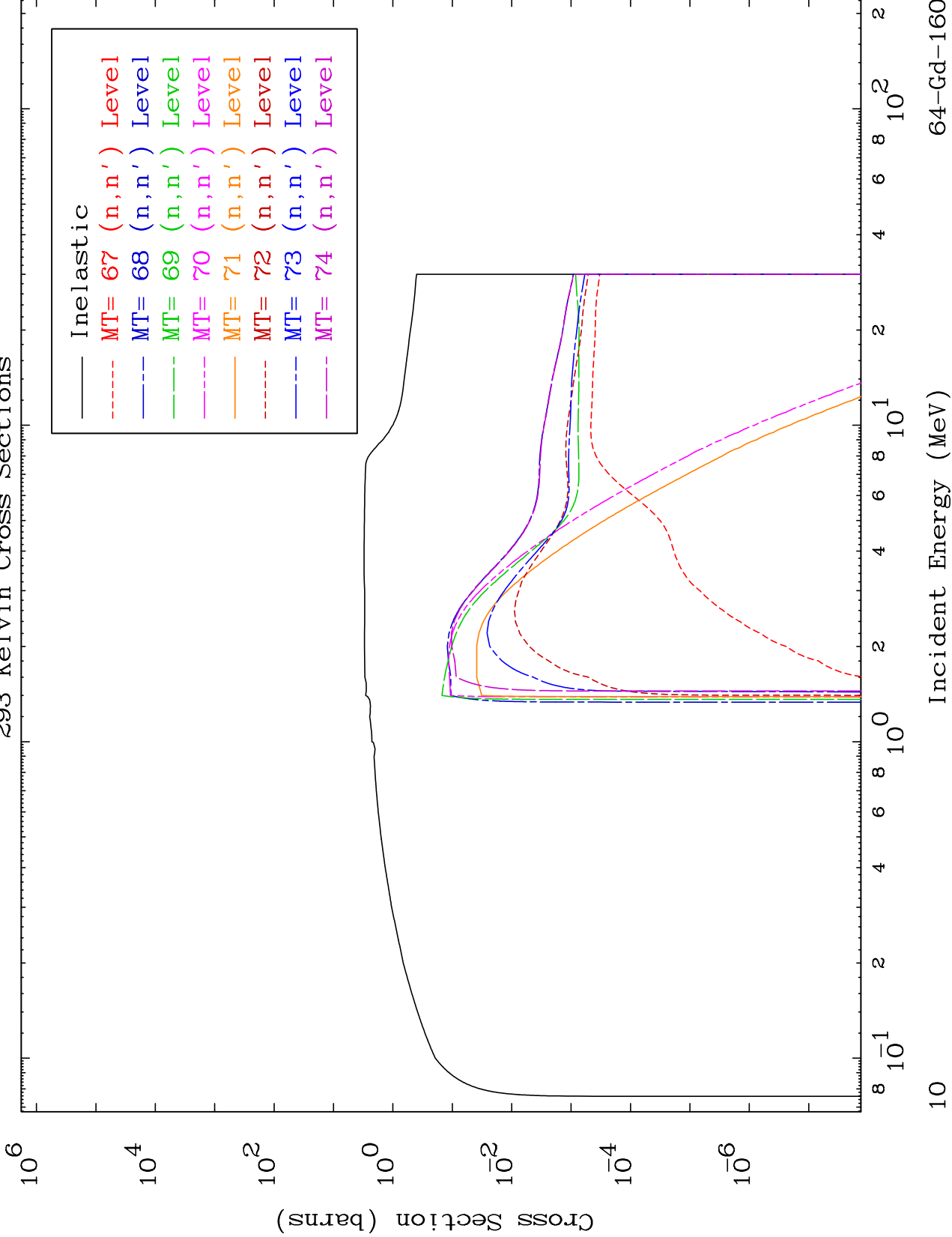


MAT 6449

(n,n') Levels

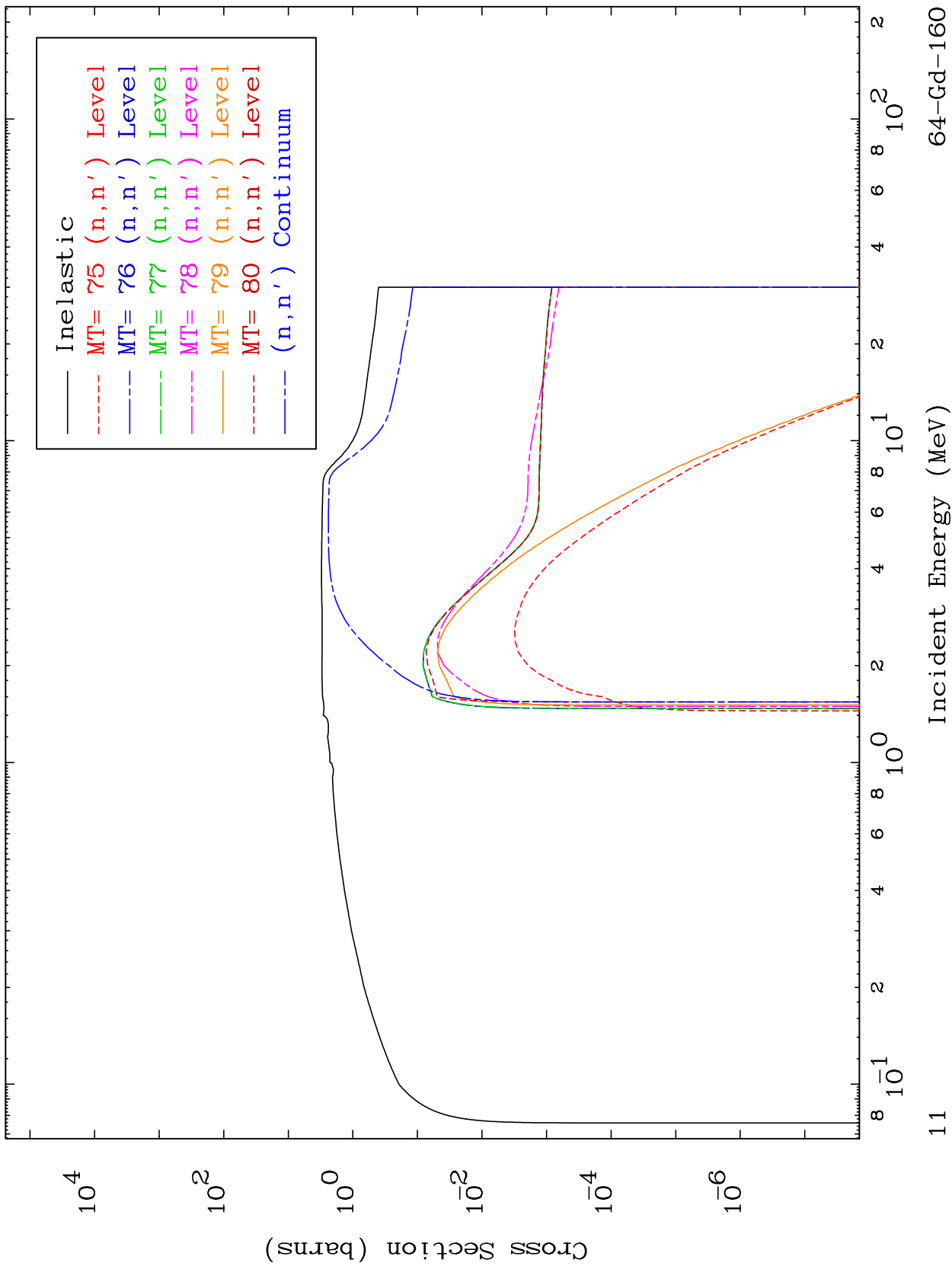
64-Gd-160

293 Kelvin Cross Sections



Incident Energy (MeV)

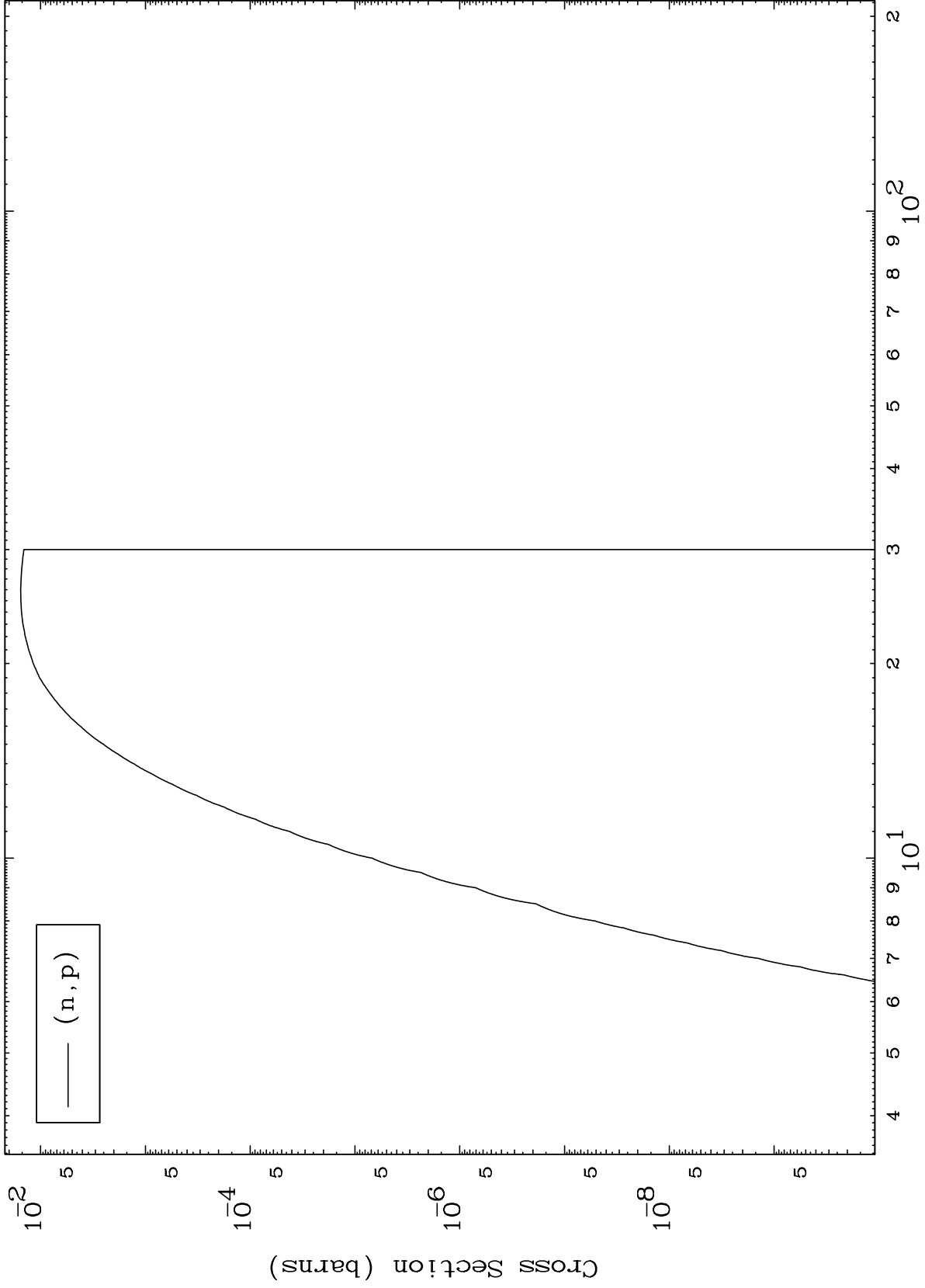
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MAT 6449

(n,p) Levels
293 Kelvin Cross Sections

64-Gd-160



12

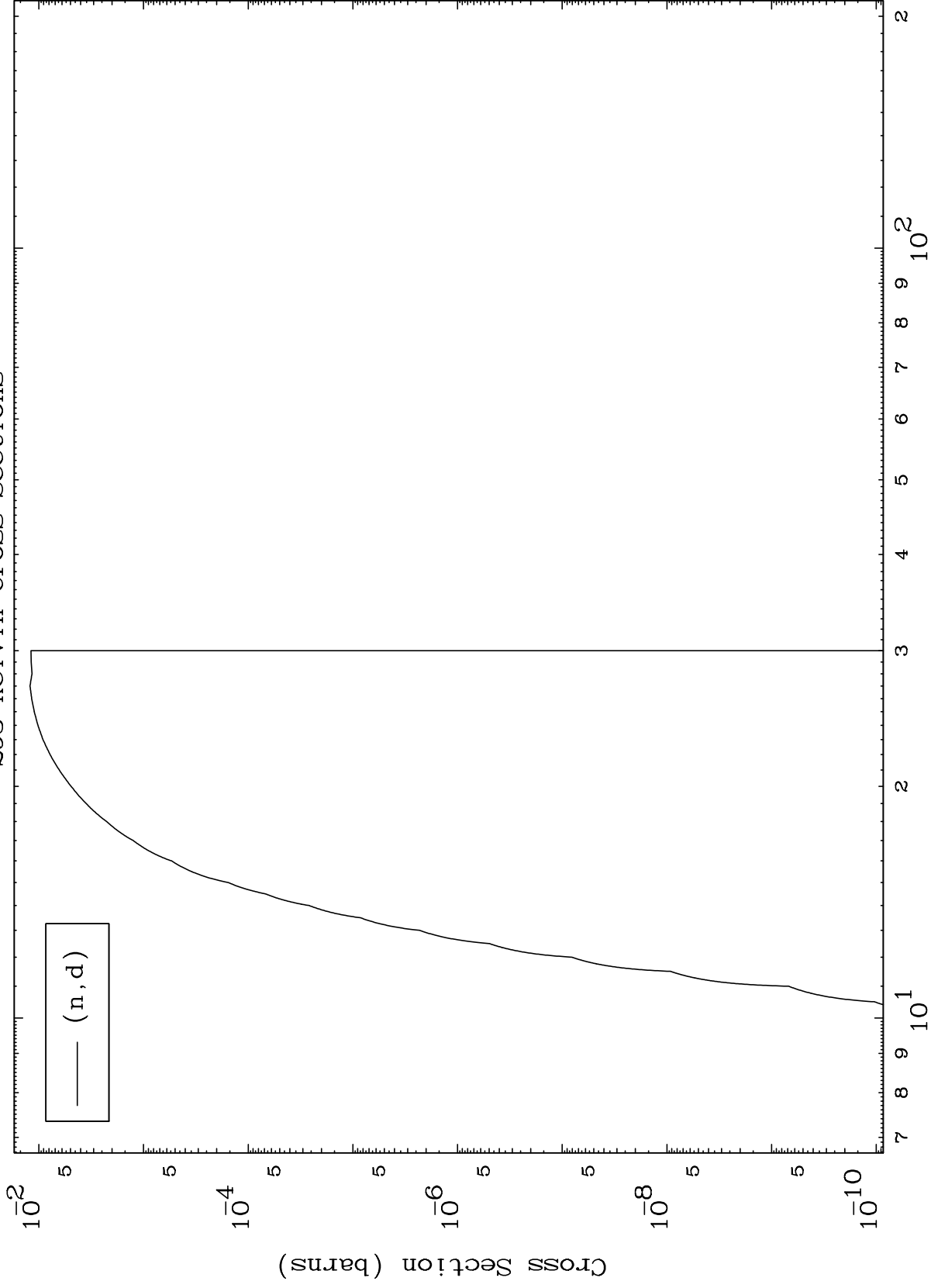
Incident Energy (MeV)

64-Gd-160

MAT 6449

(n,d) Levels
293 Kelvin Cross Sections

64-Gd-160



13

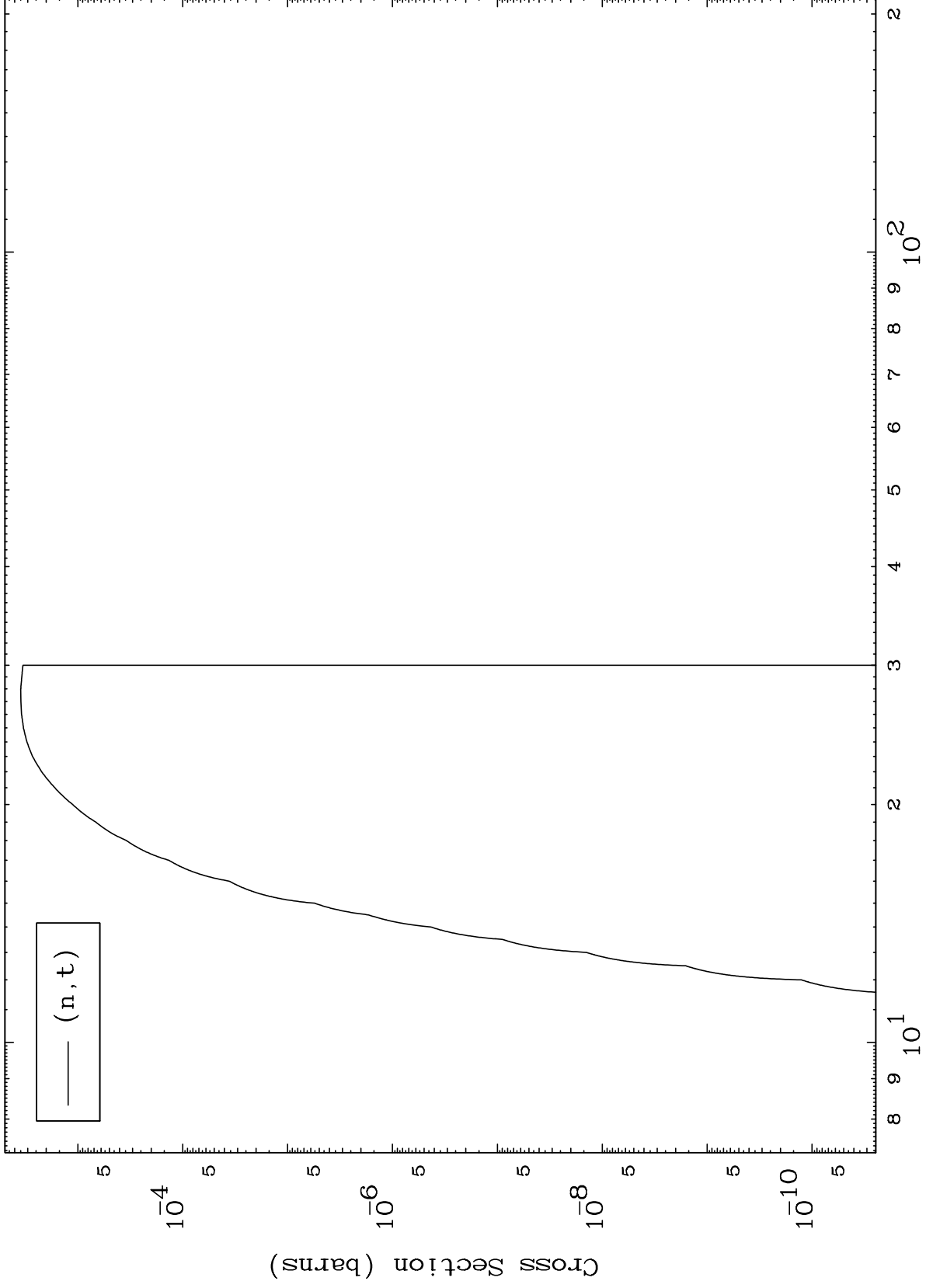
Incident Energy (MeV)

64-Gd-160

MAT 6449

(n,t) Levels
293 Kelvin Cross Sections

64-Gd-160



14

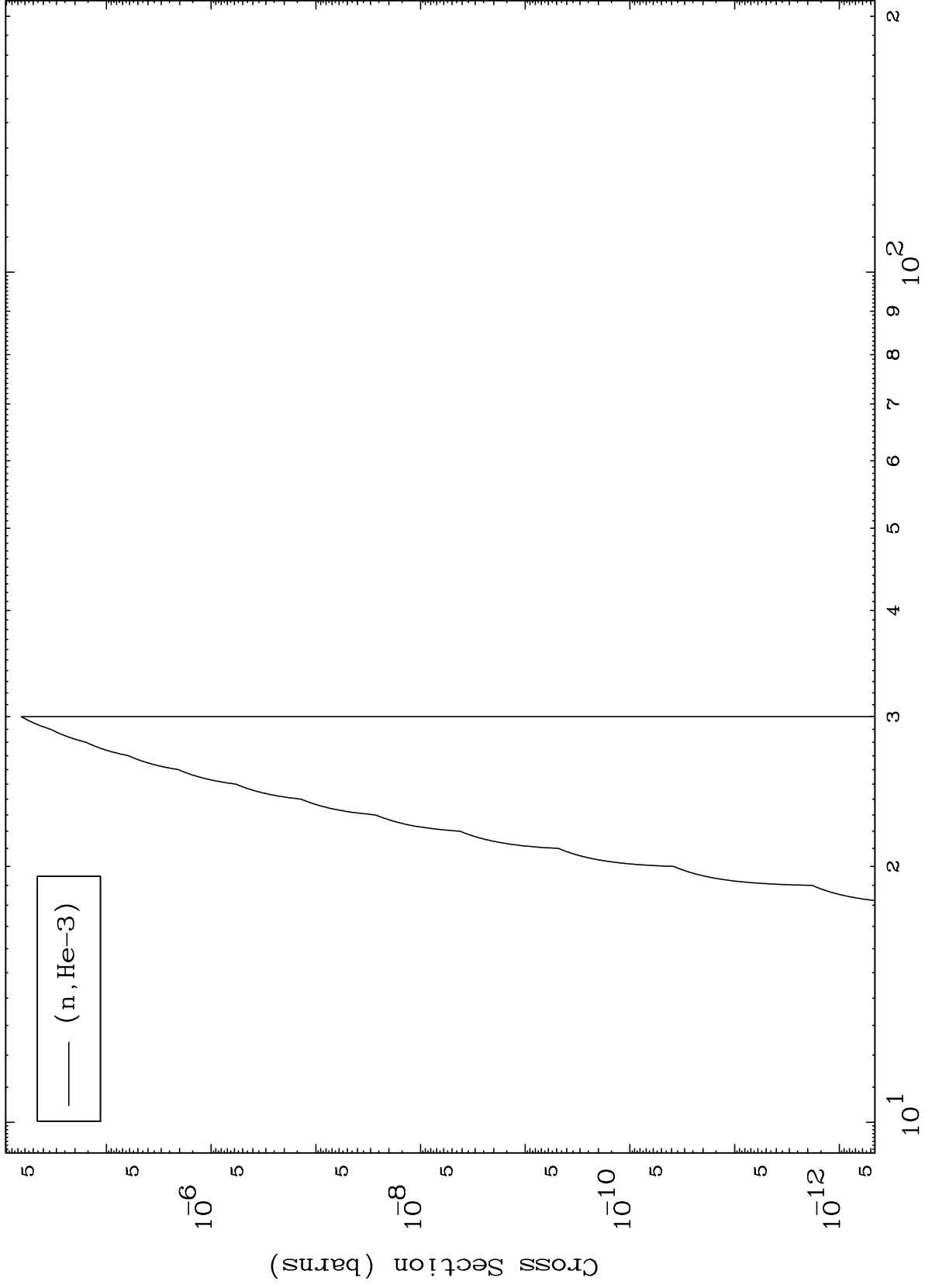
Incident Energy (MeV)

64-Gd-160

MAT 6449

(n,He3) Levels
293 Kelvin Cross Sections

64-Gd-160



15

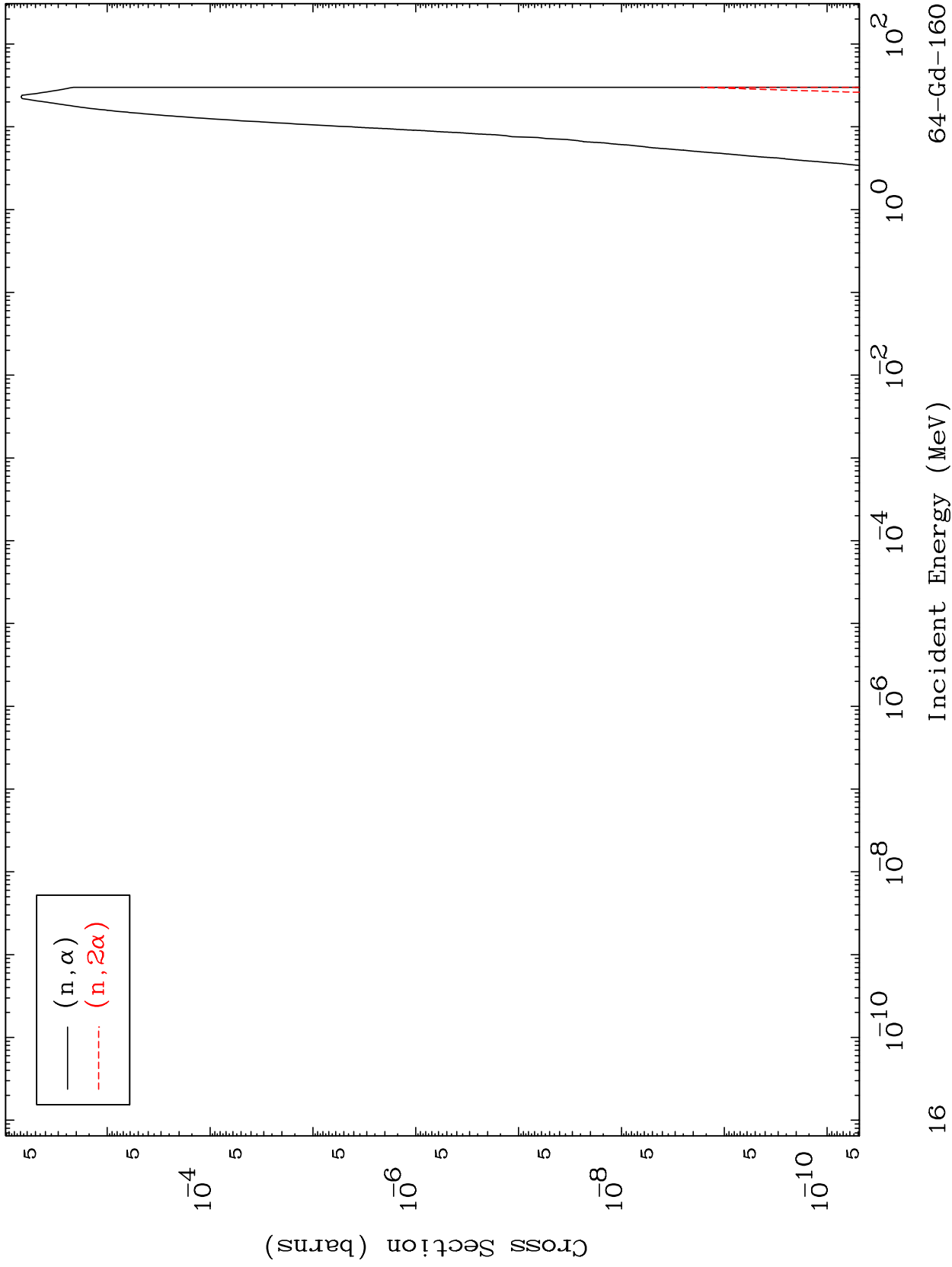
Incident Energy (MeV)

64-Gd-160

MAT 6449

(n, α) Levels
293 Kelvin Cross Sections

64-Gd-160



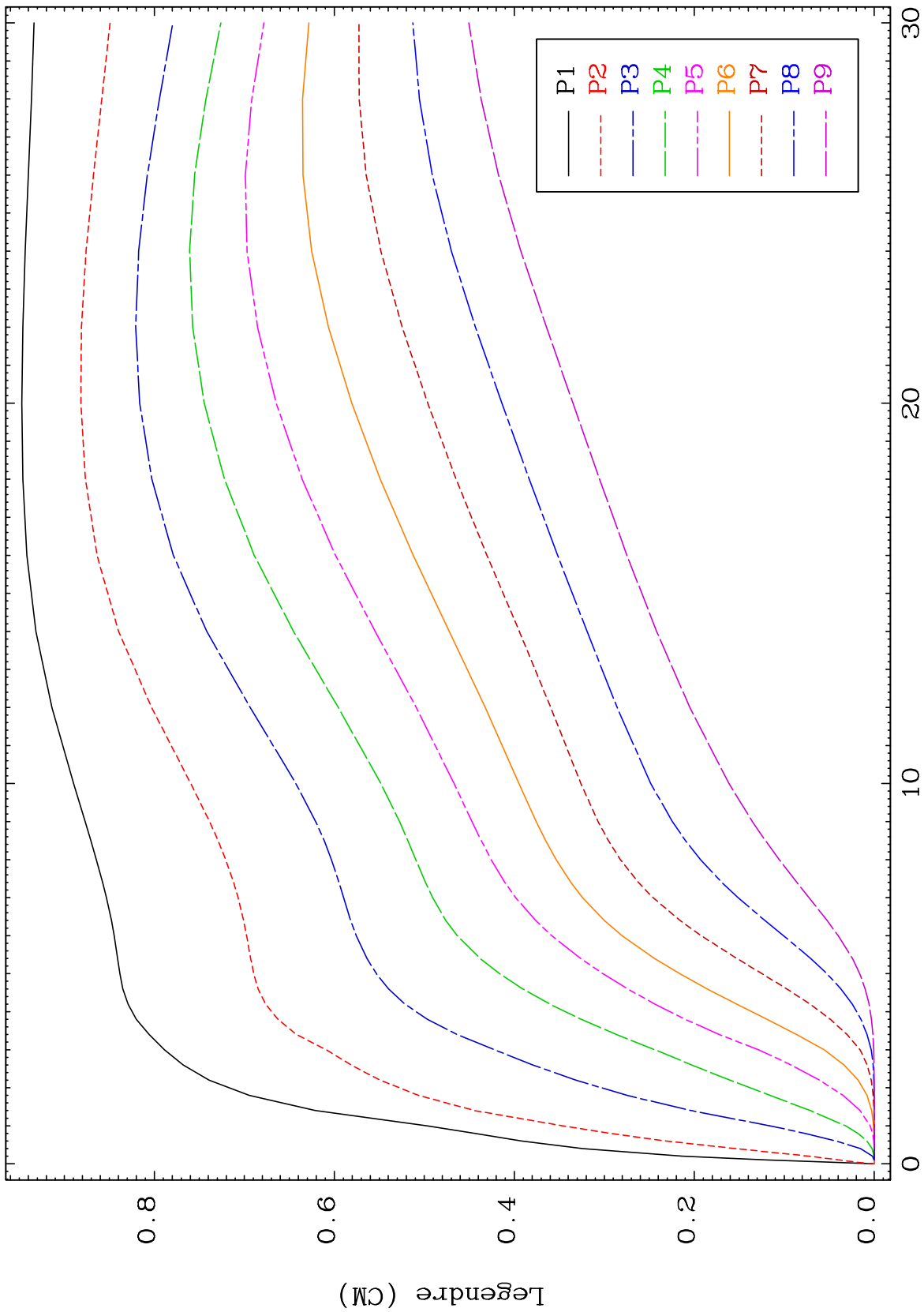
16

64-Gd-160

MAT 6449

64-Gd-160

Elastic Legendre Coefficients



17

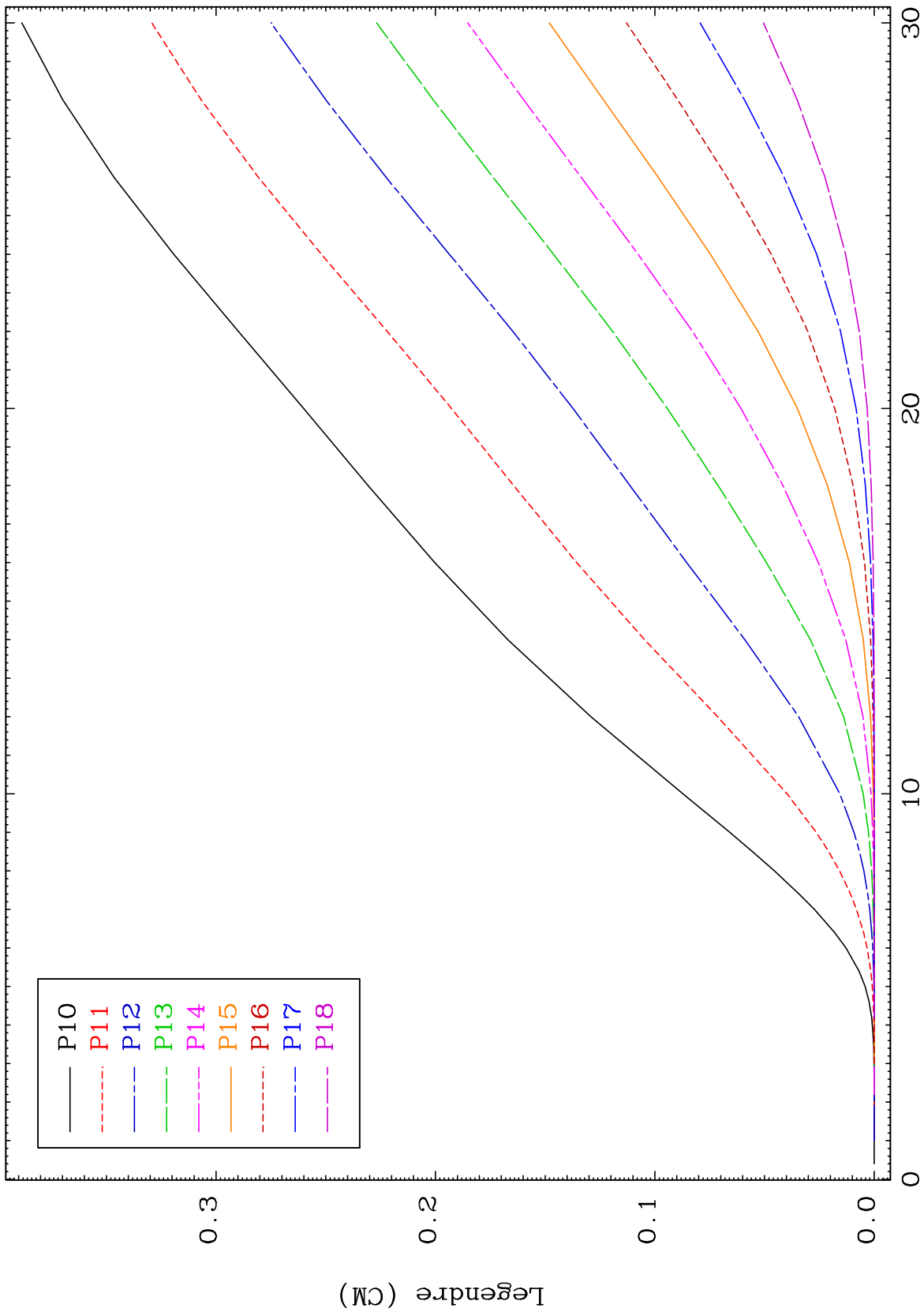
Incident Energy (MeV)

64-Gd-160

MAT 6449

Elastic Legendre Coefficients

64-Gd-160



18

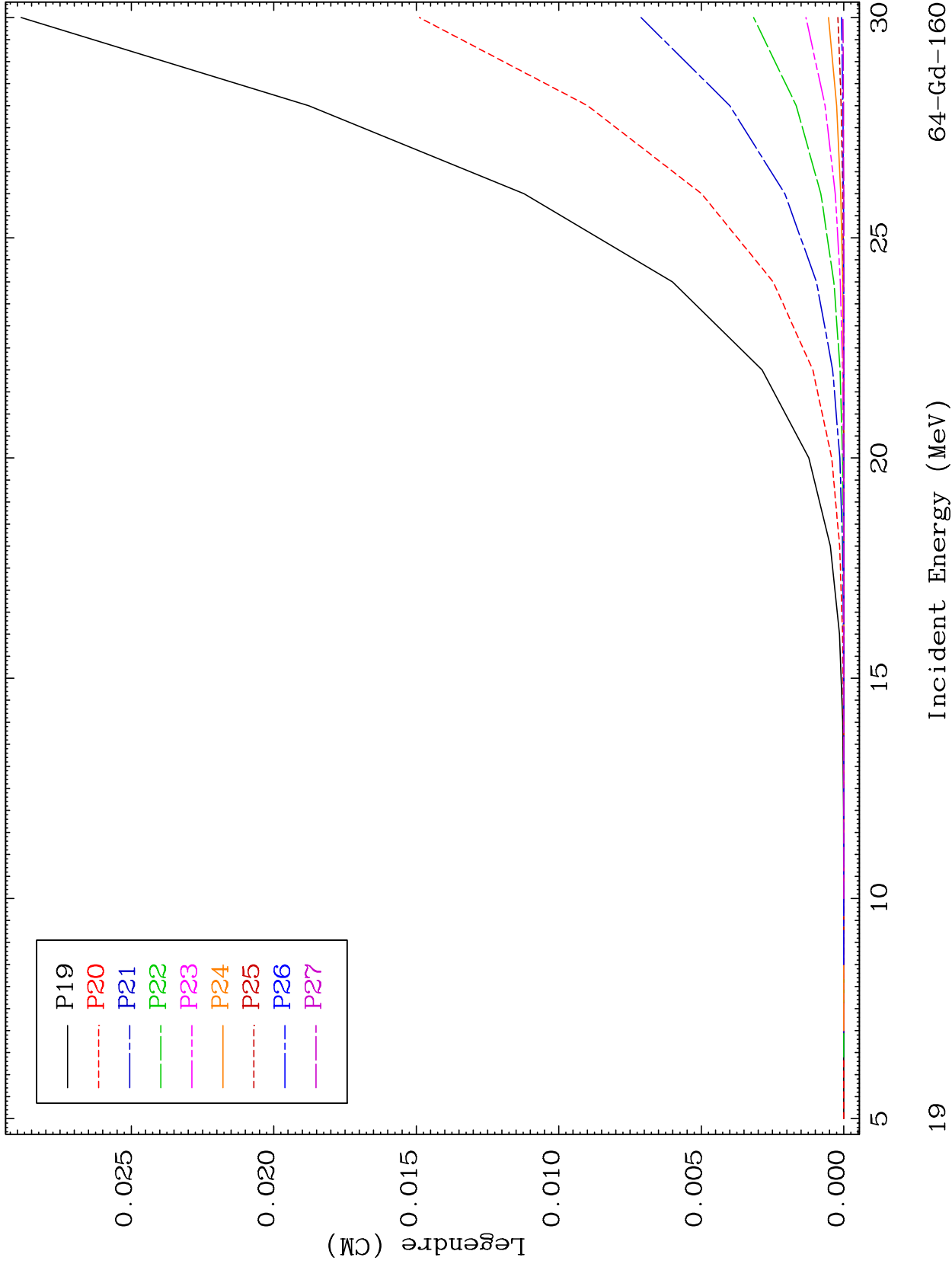
Incident Energy (MeV)

64-Gd-160

MAT 6449

Elastic Legendre Coefficients

64-Gd-160



19

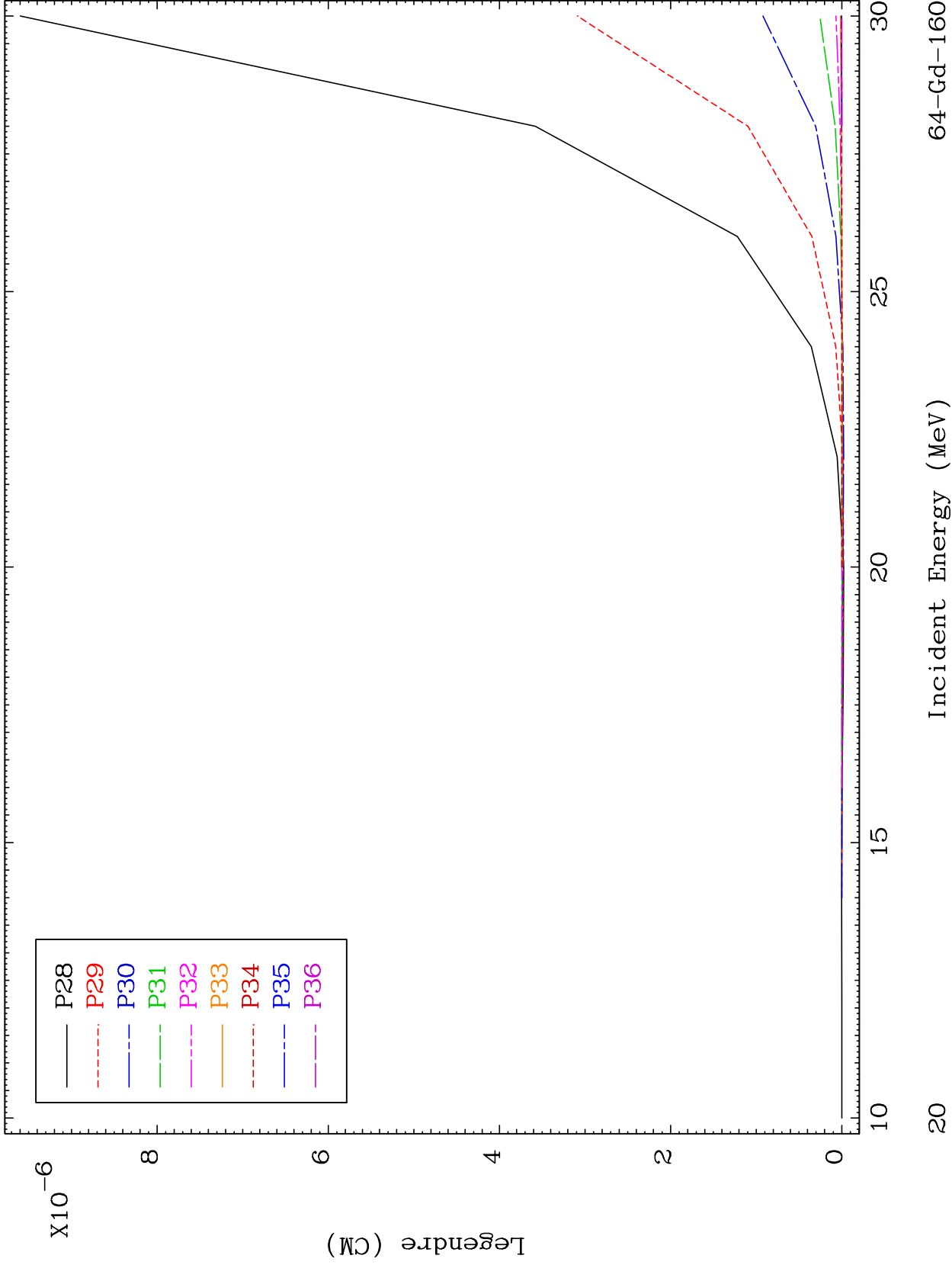
Incident Energy (MeV)

64-Gd-160

MAT 6449

Elastic Legendre Coefficients

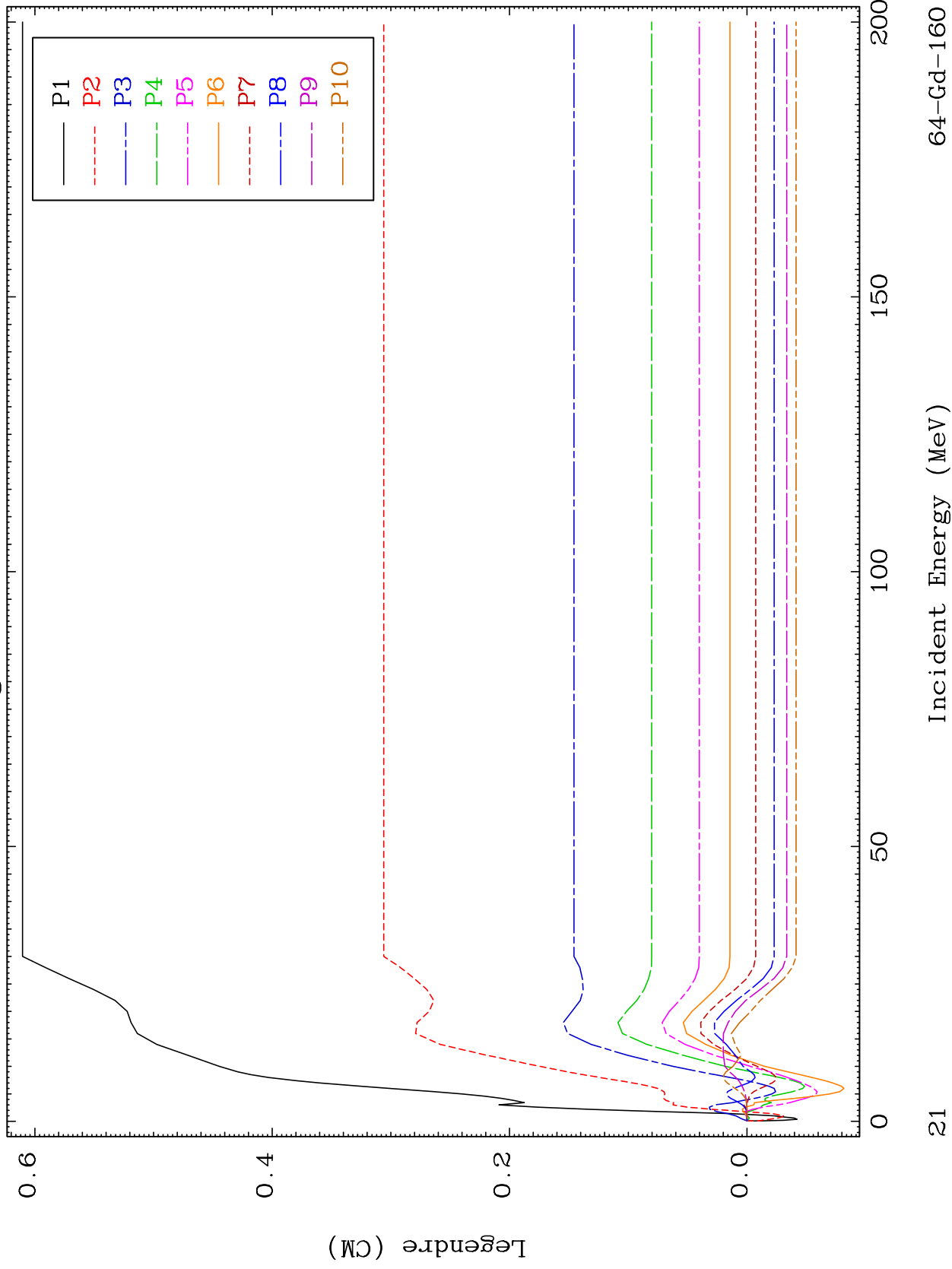
64-Gd-160



MAT 6449

MT= 51 (n,n') Level
Legendre Coefficients

64-Gd-160



64-Gd-160

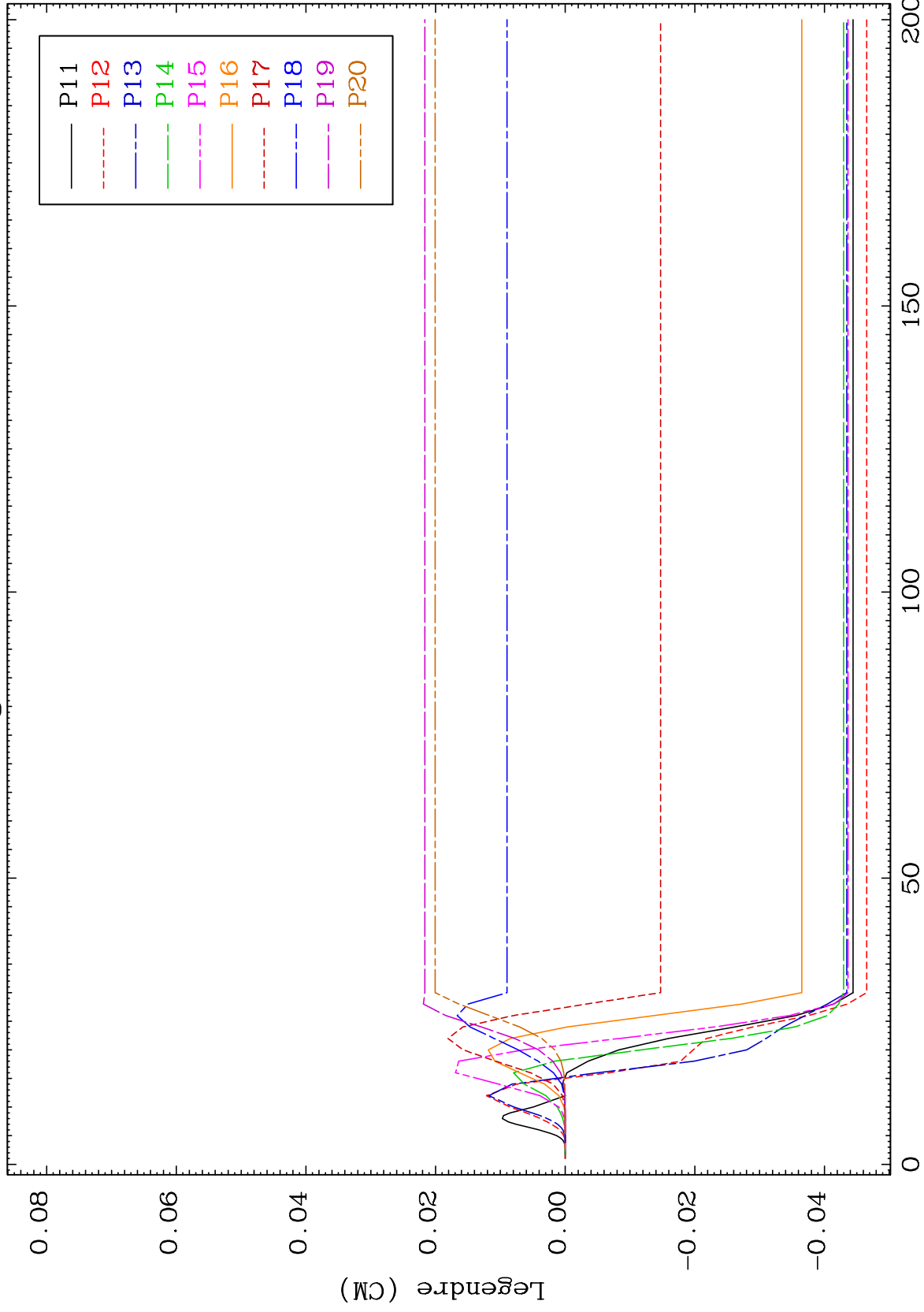
Incident Energy (MeV)

21

MAT 6449

MT= 51 (n,n') Level
Legendre Coefficients

64-Gd-160



22

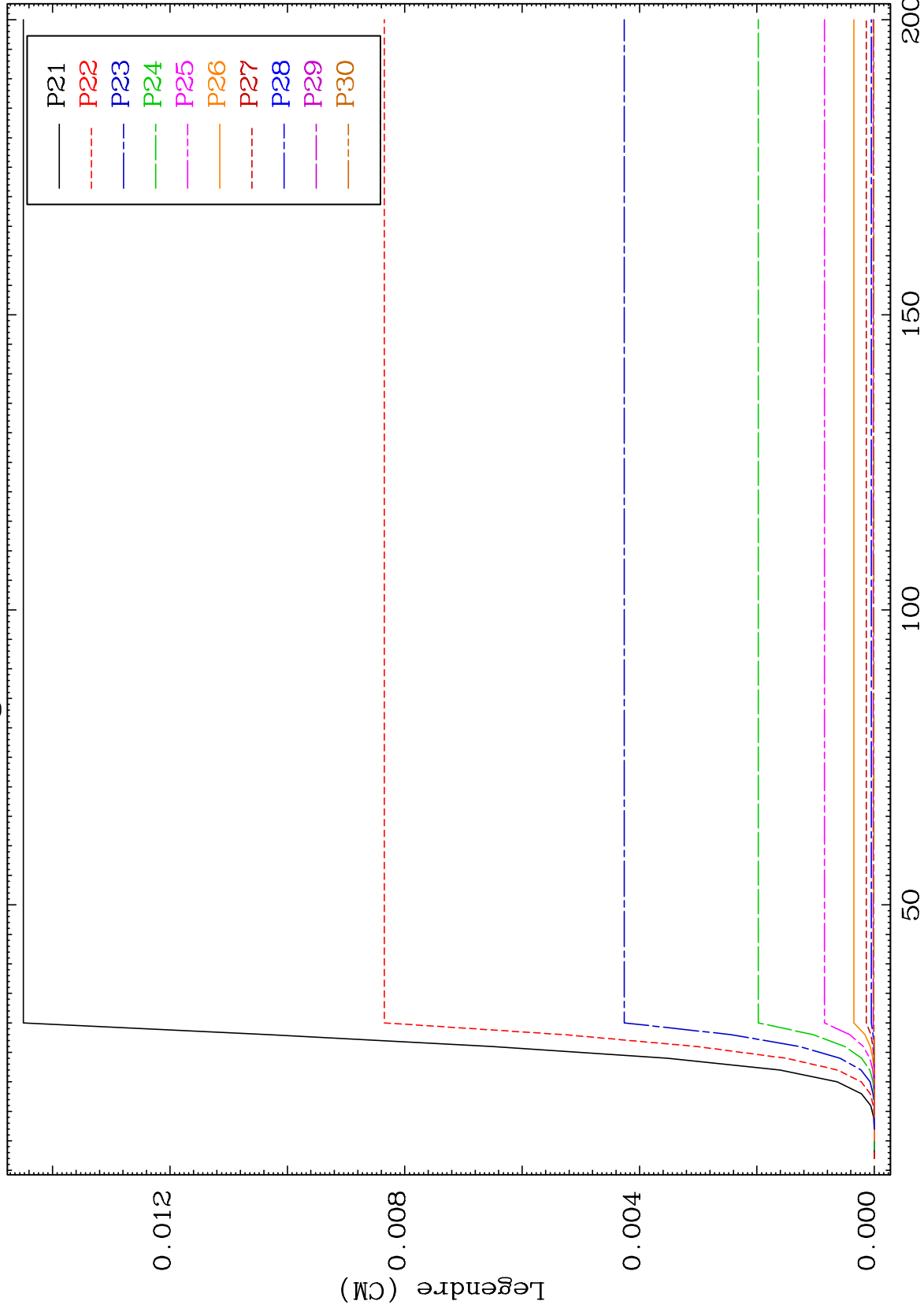
Incident Energy (MeV)

64-Gd-160

MAT 6449

MT= 51 (n,n') Level
Legendre Coefficients

64-Gd-160



23

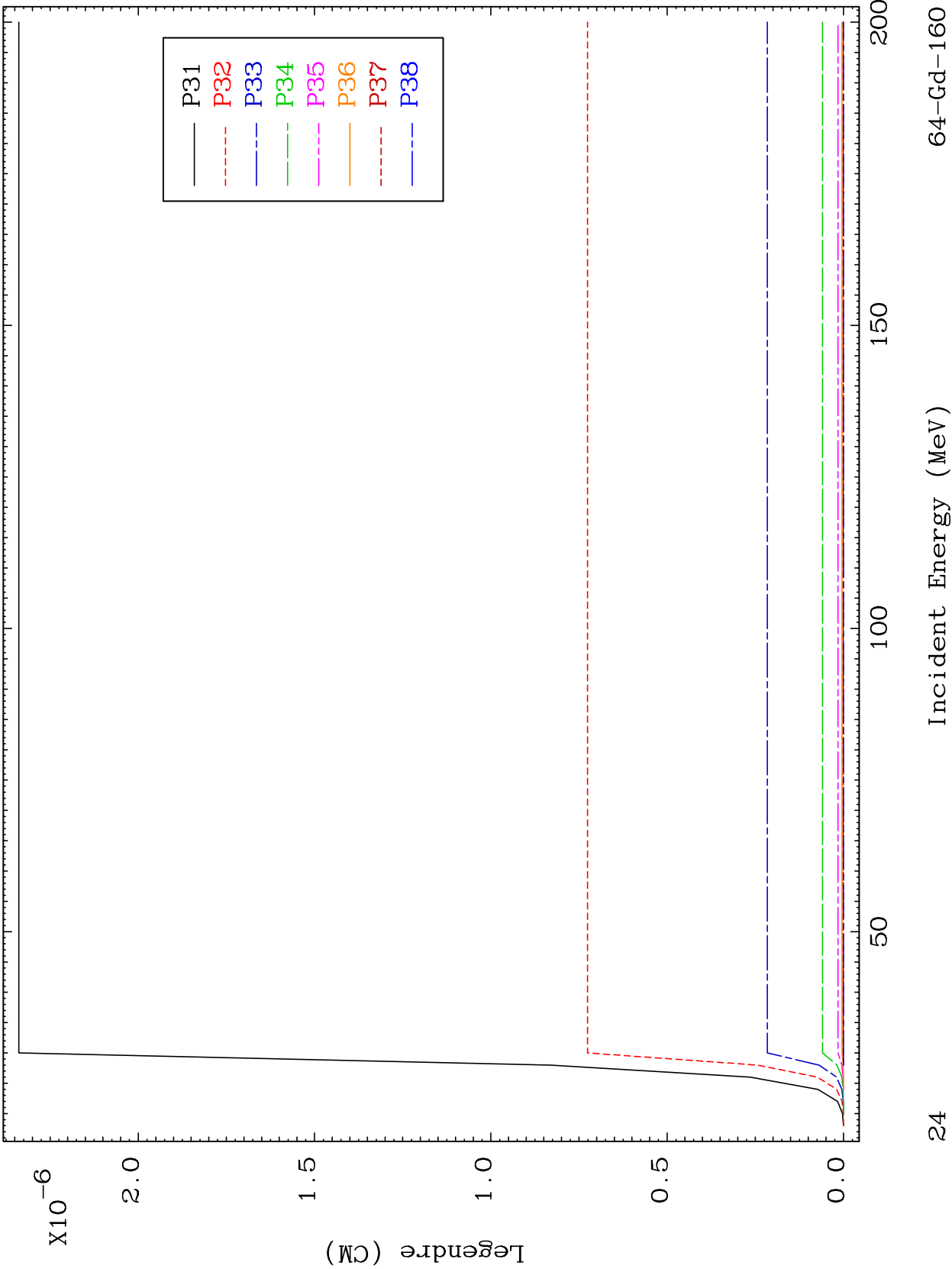
Incident Energy (MeV)

64-Gd-160

MAT 6449

MT= 51 (n,n') Level
Legendre Coefficients

64-Gd-160



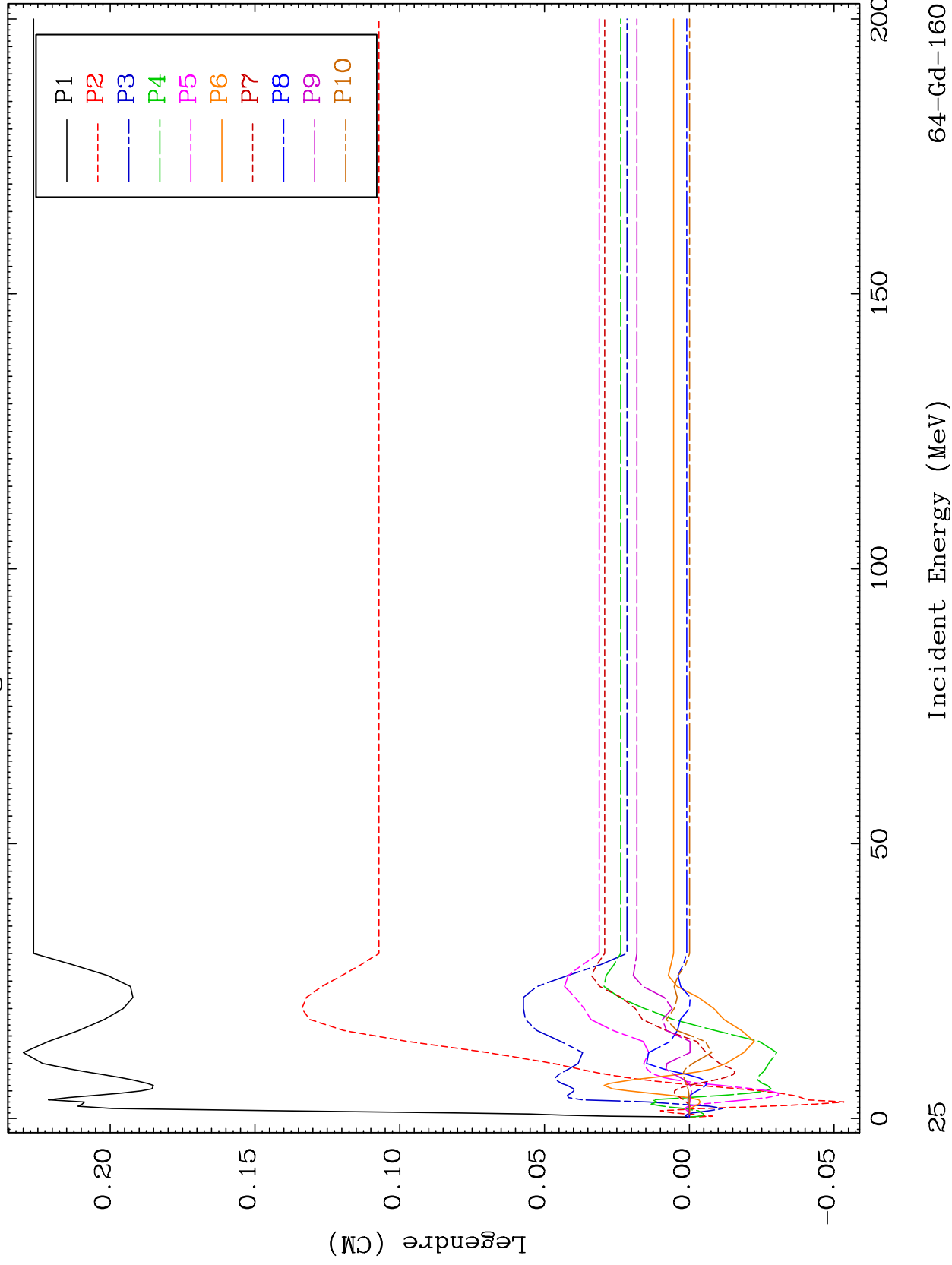
24

64-Gd-160

MAT 6449

MT= 52 (n,n') Level
Legendre Coefficients

64-Gd-160



64-Gd-160

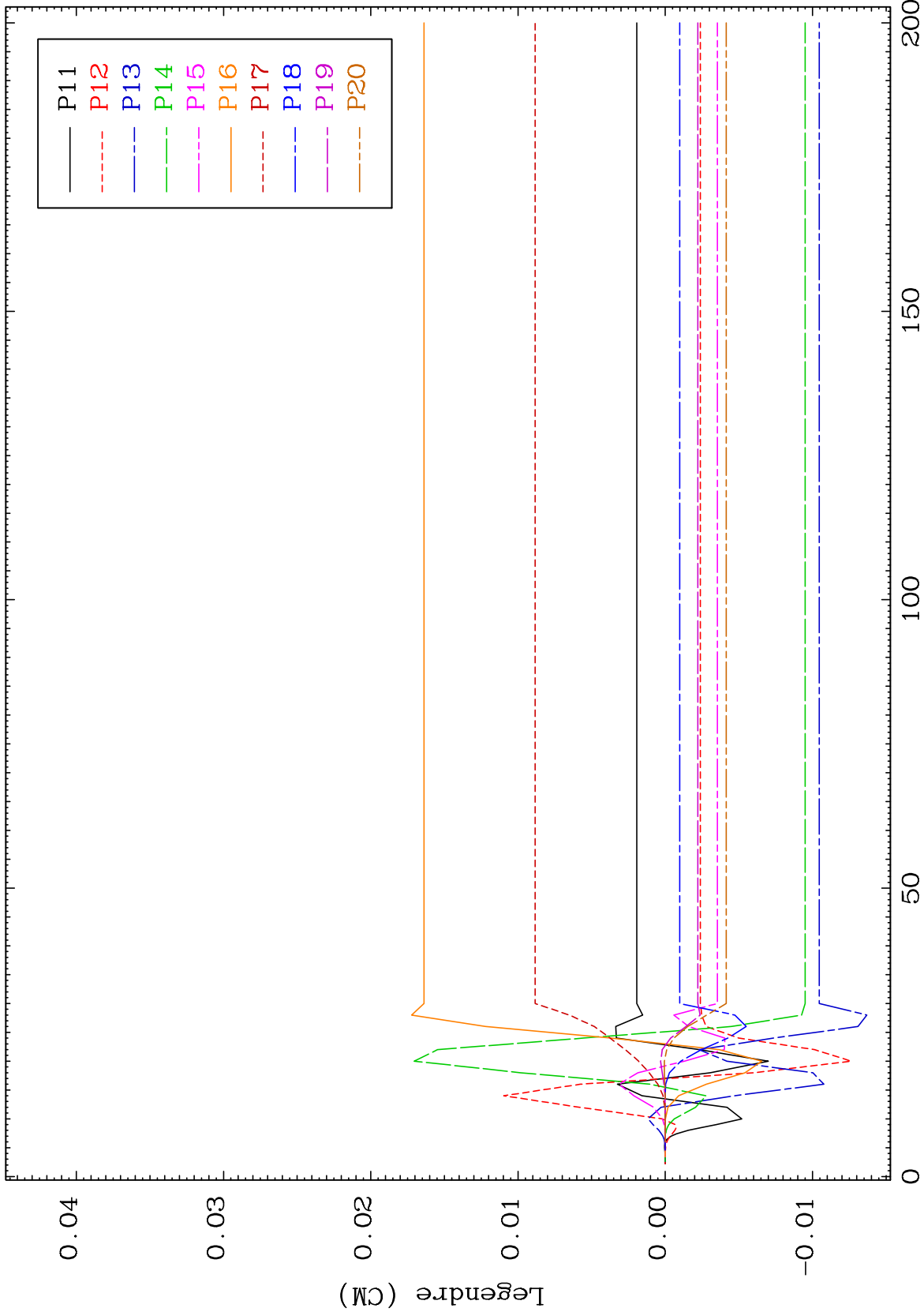
Incident Energy (MeV)

25

MAT 6449

MT= 52 (n,n') Level
Legendre Coefficients

64-Gd-160



26

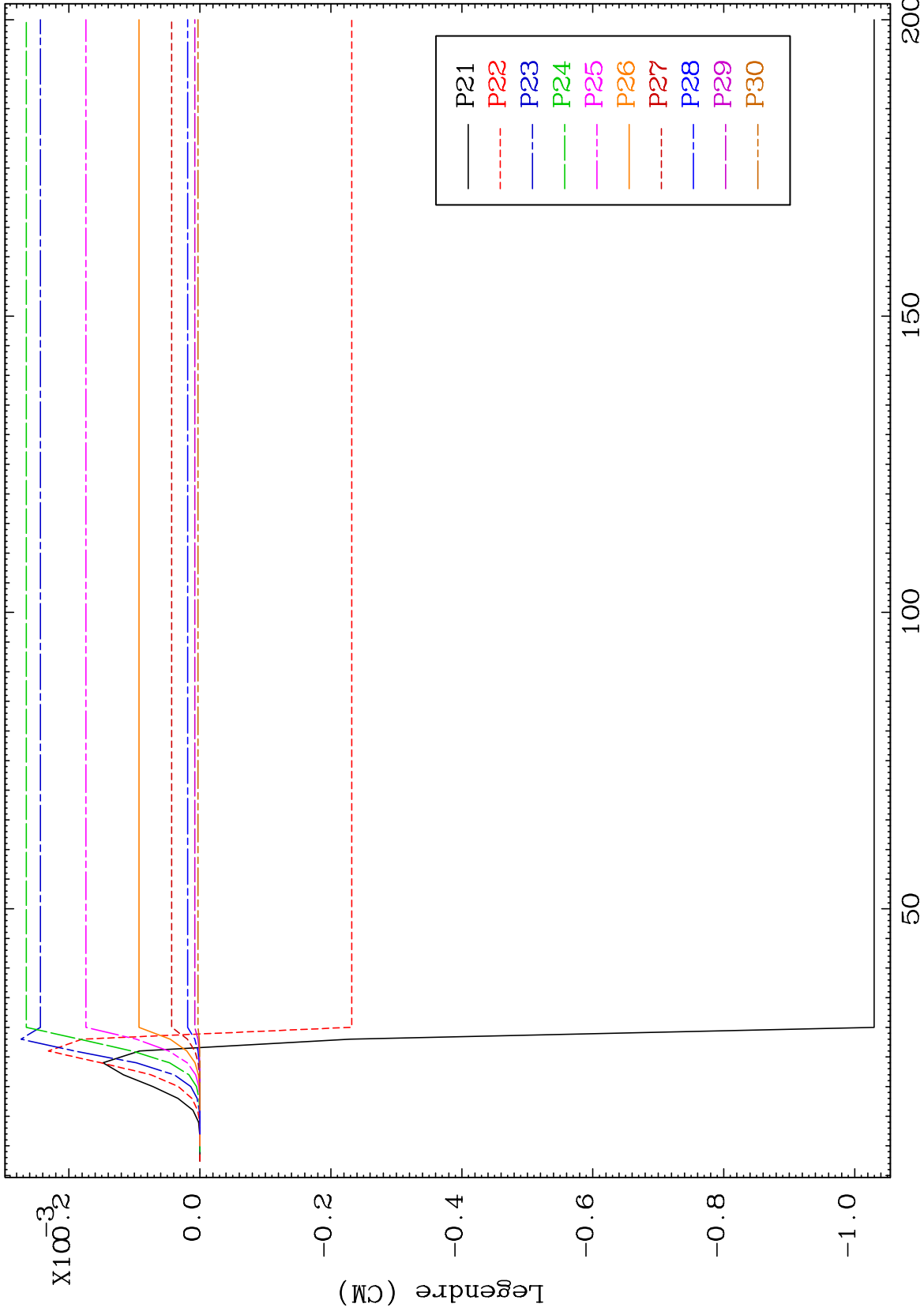
Incident Energy (MeV)

64-Gd-160

MAT 6449

MT= 52 (n,n') Level
Legendre Coefficients

64-Gd-160



27

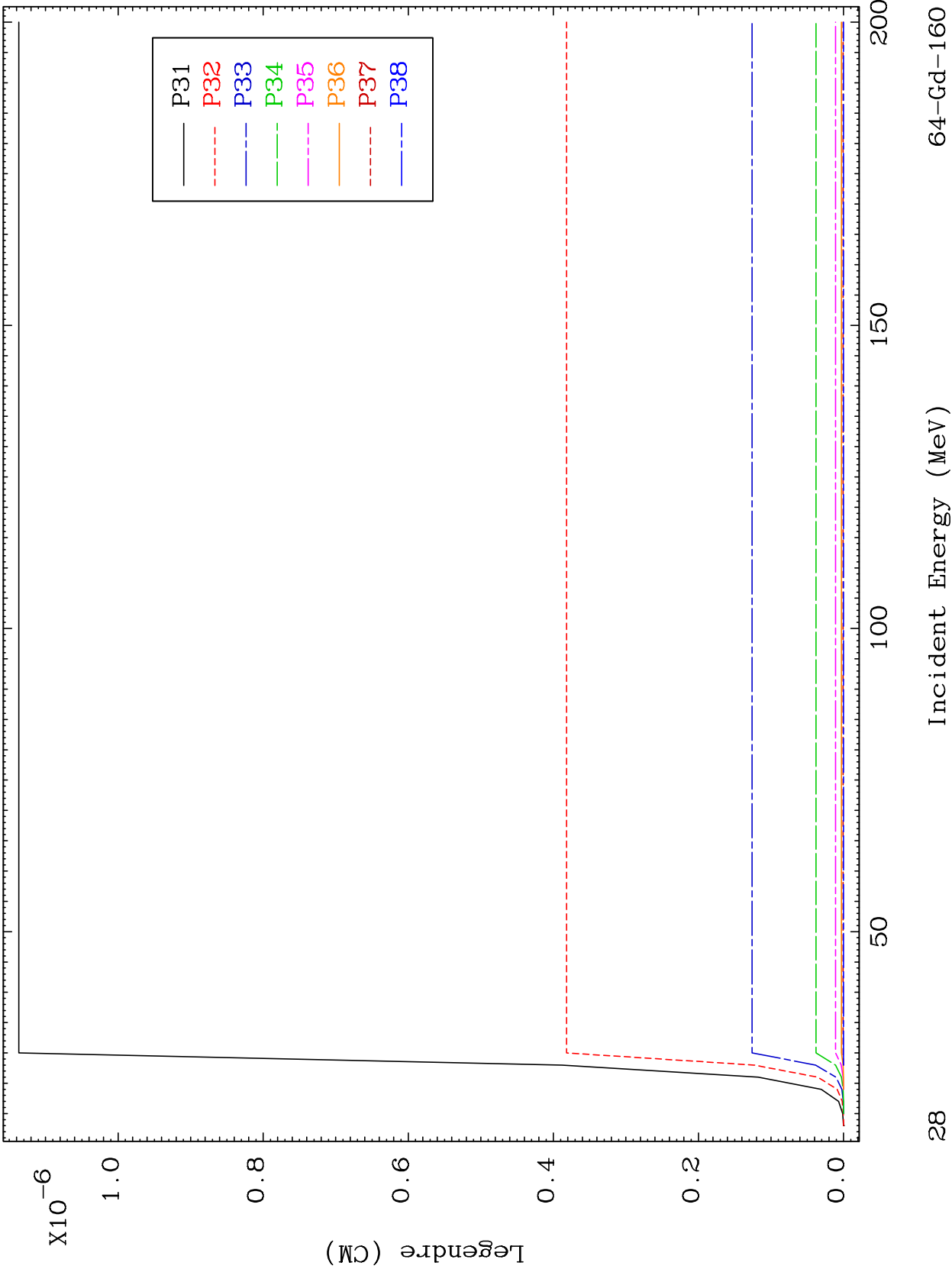
Incident Energy (MeV)

64-Gd-160

MAT 6449

MT= 52 (n,n') Level
Legendre Coefficients

64-Gd-160



28

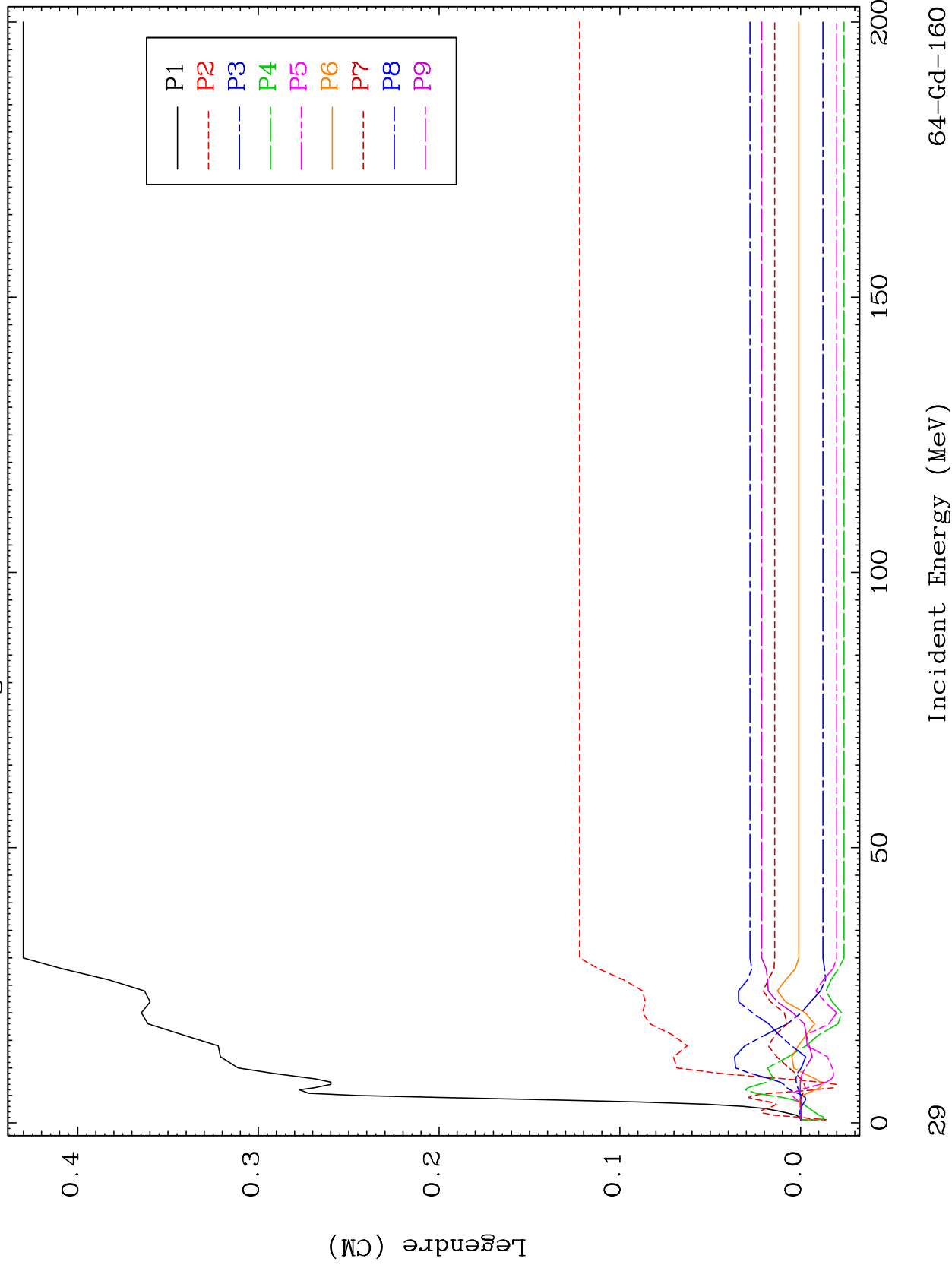
Incident Energy (MeV)

64-Gd-160

MAT 6449

MT= 53 (n,n') Level
Legendre Coefficients

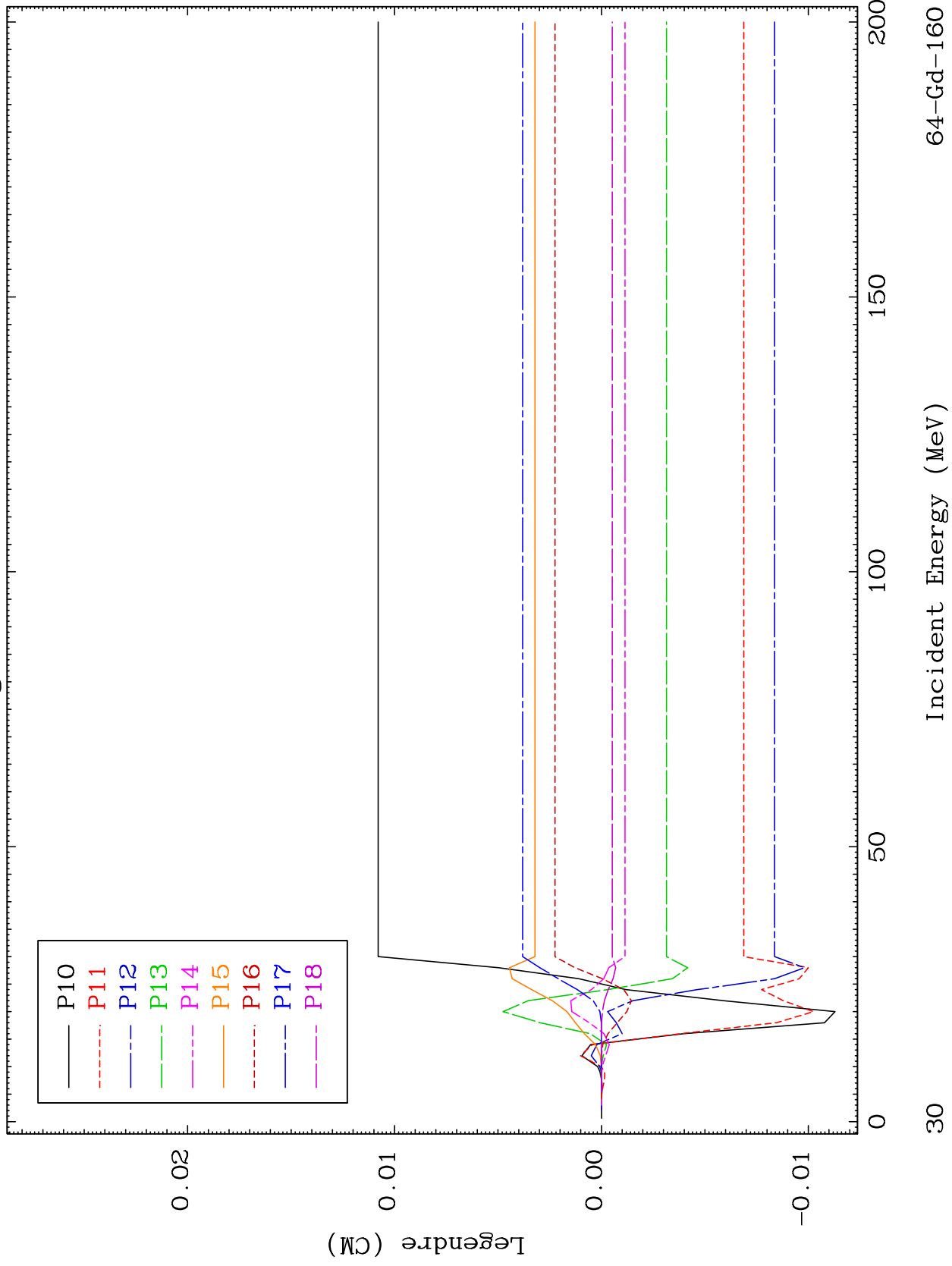
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MAT 6449

MT= 53 (n,n') Level
Legendre Coefficients

64-Gd-160



64-Gd-160

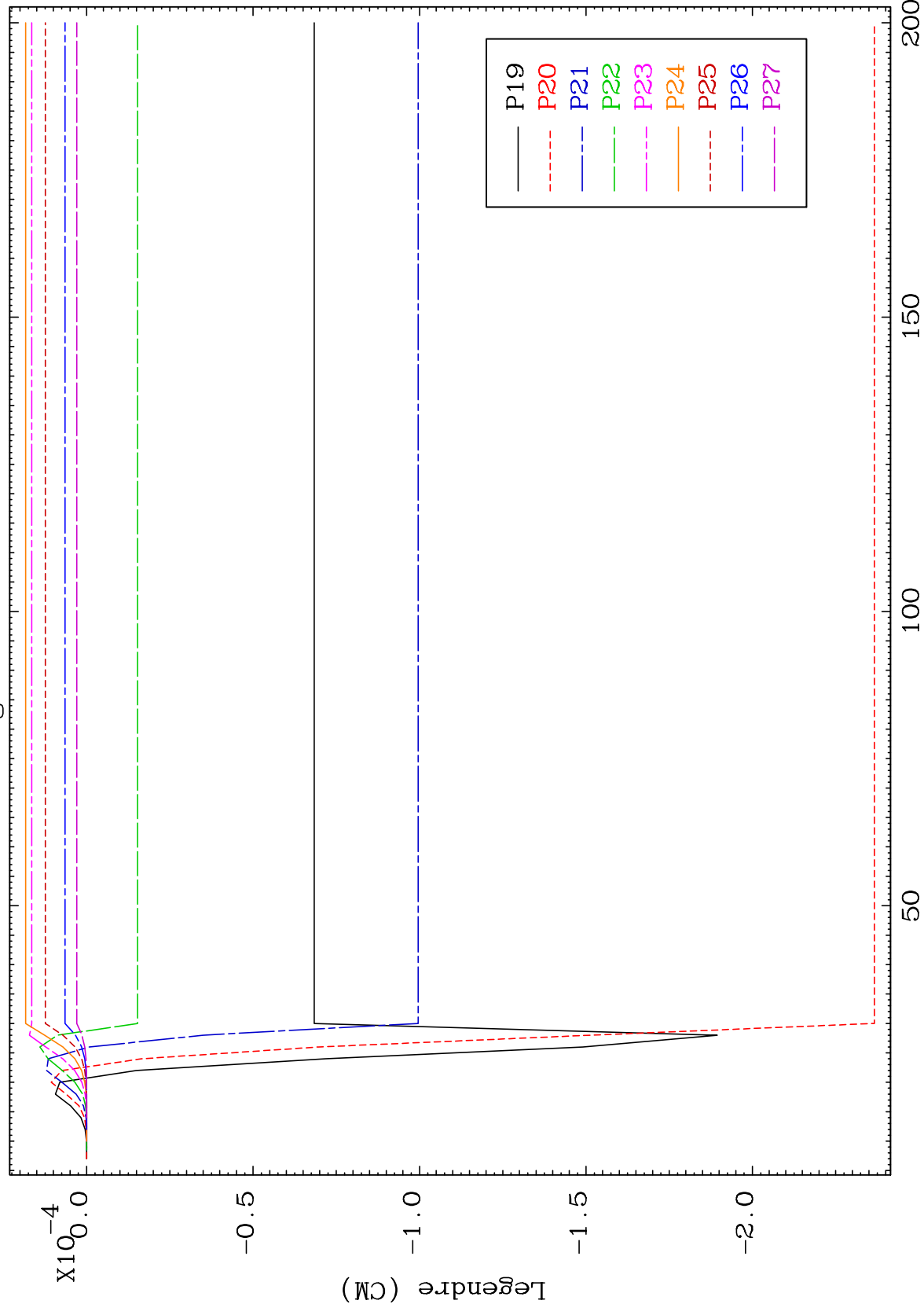
Incident Energy (MeV)

30

MAT 6449

MT= 53 (n,n') Level
Legendre Coefficients

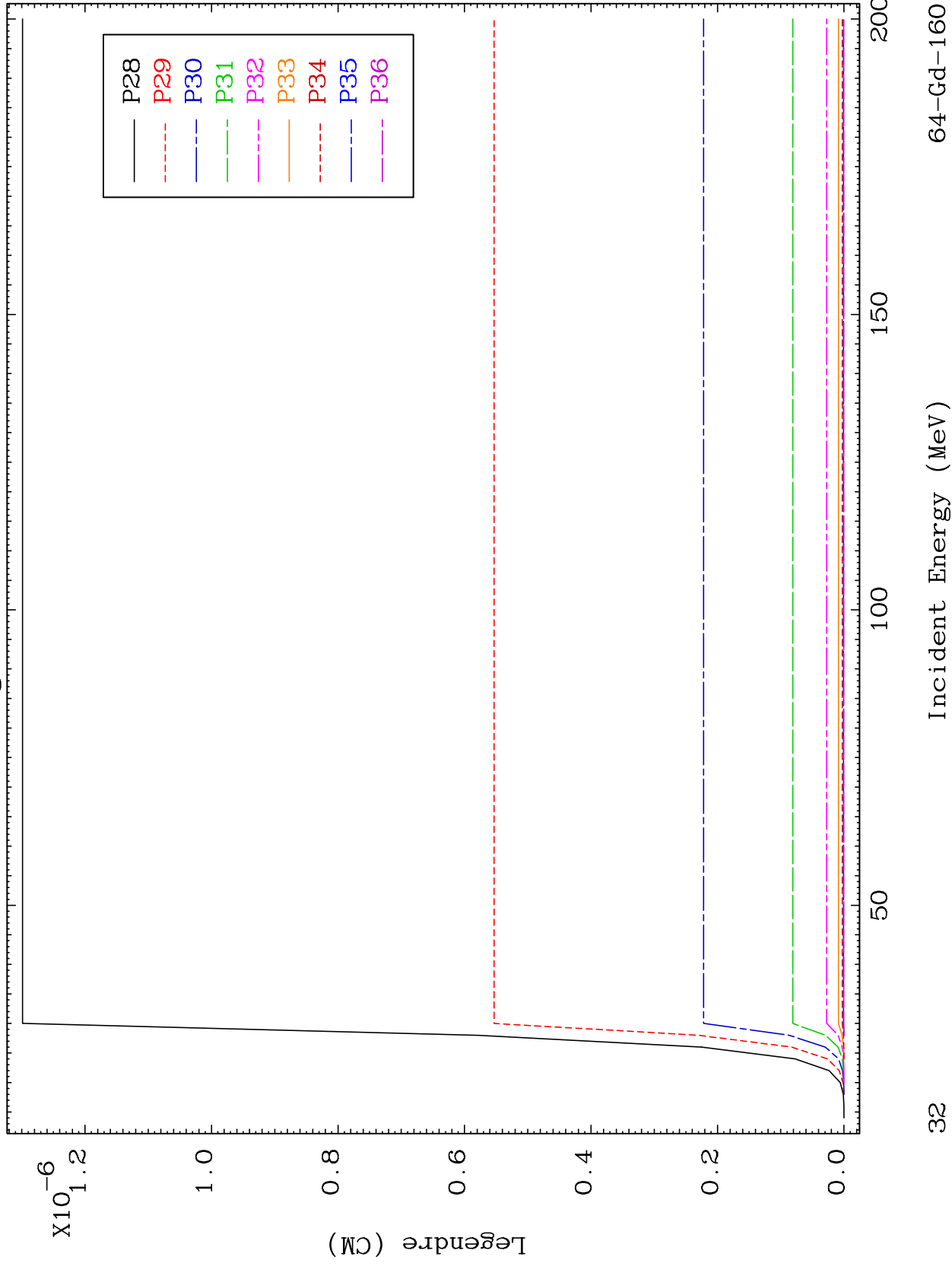
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MAT 6449

MT= 53 (n,n') Level
Legendre Coefficients

64-Gd-160



32

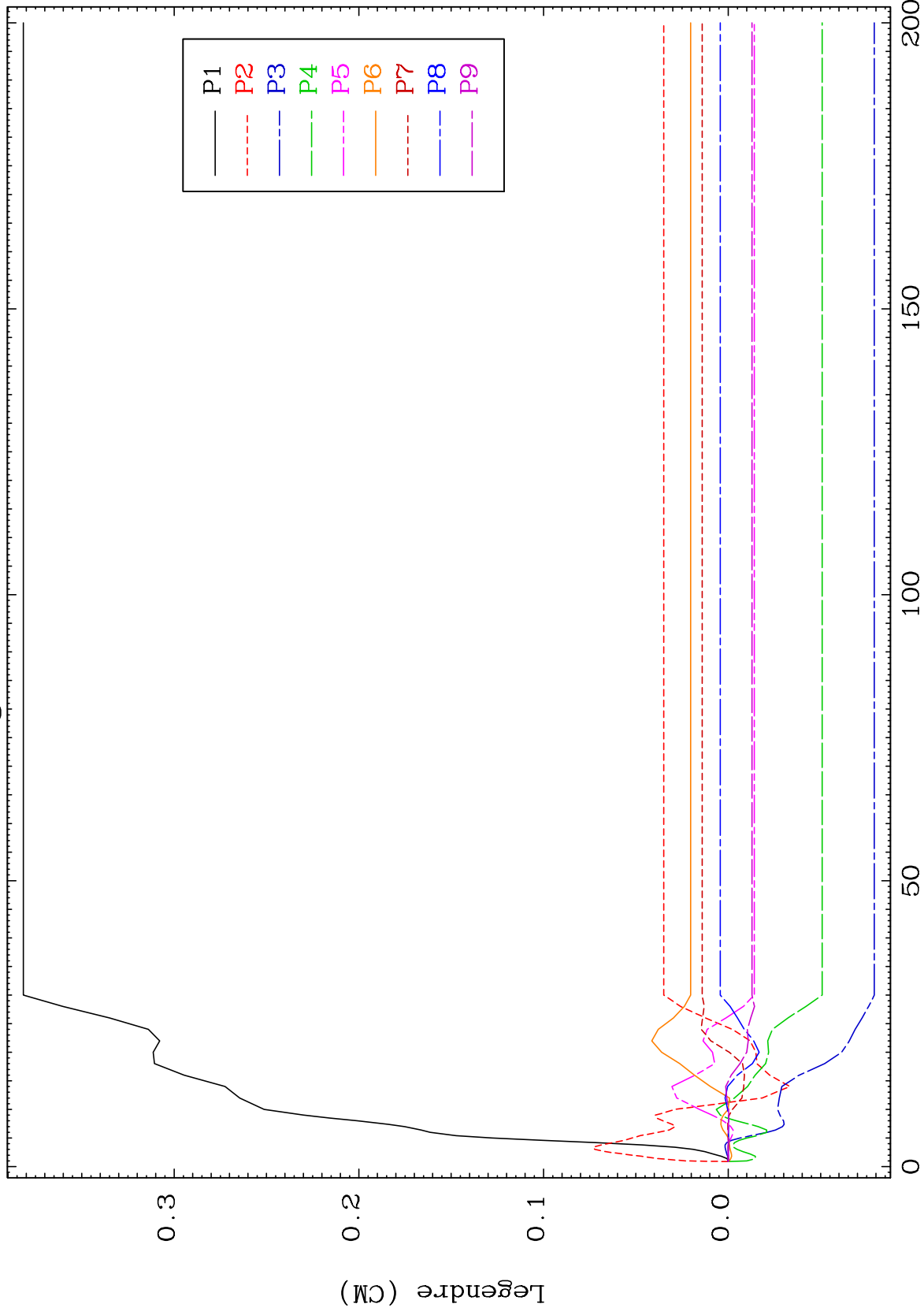
Incident Energy (MeV)

64-Gd-160

MAT 6449

MT= 54 (n,n') Level
Legendre Coefficients

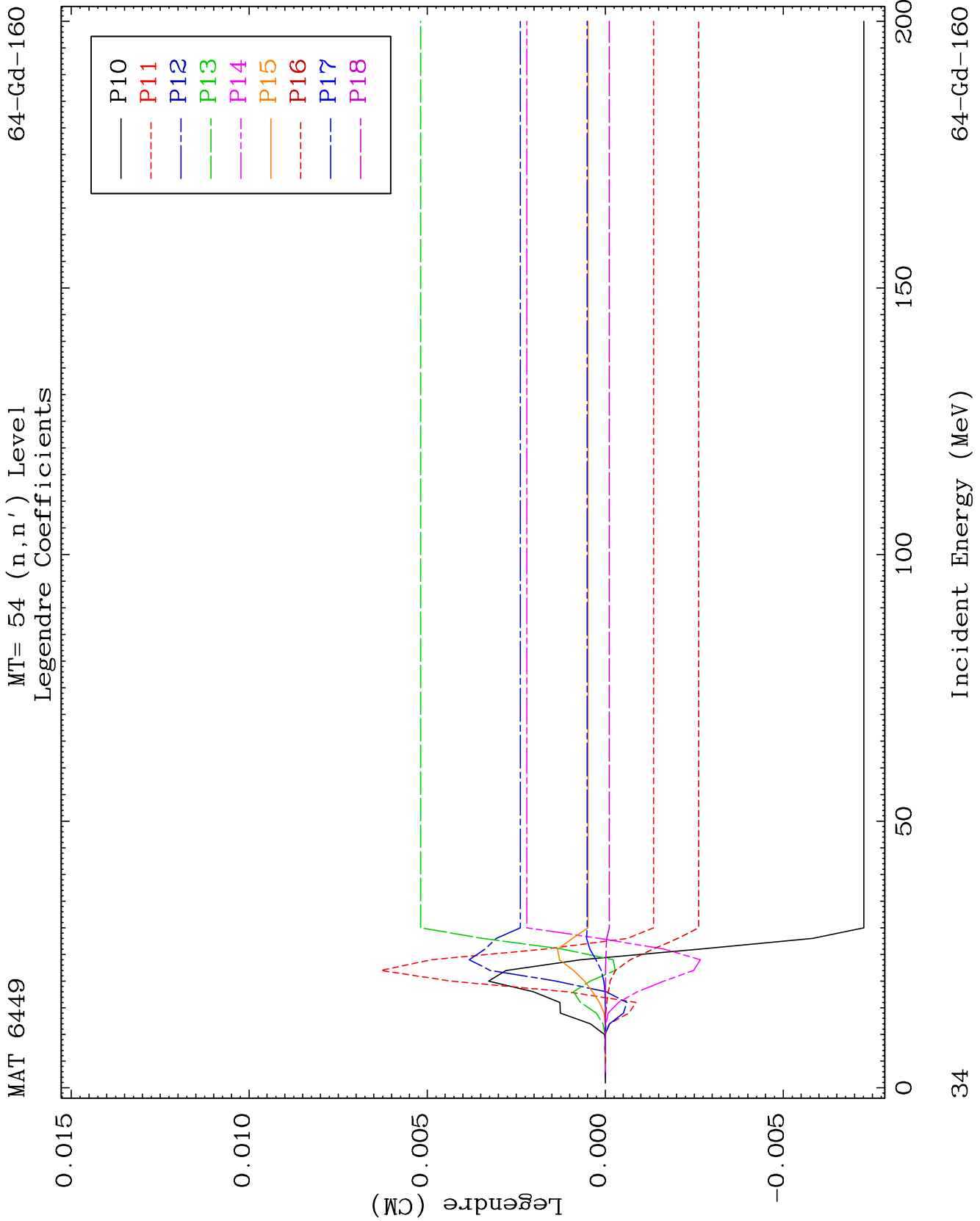
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33

Incident Energy (MeV)

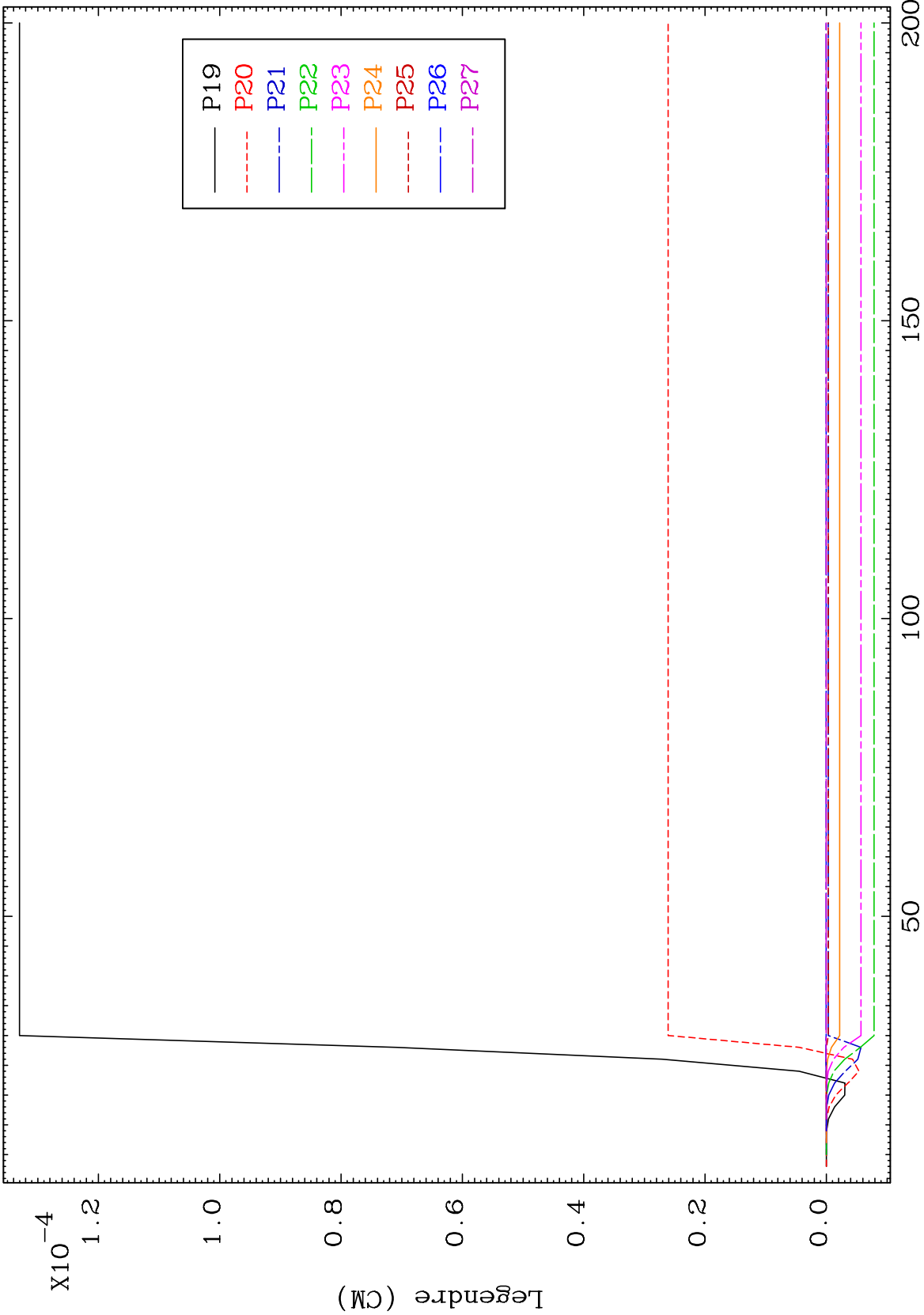
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MAT 6449

MT= 54 (n,n') Level
Legendre Coefficients

64-Gd-160



35

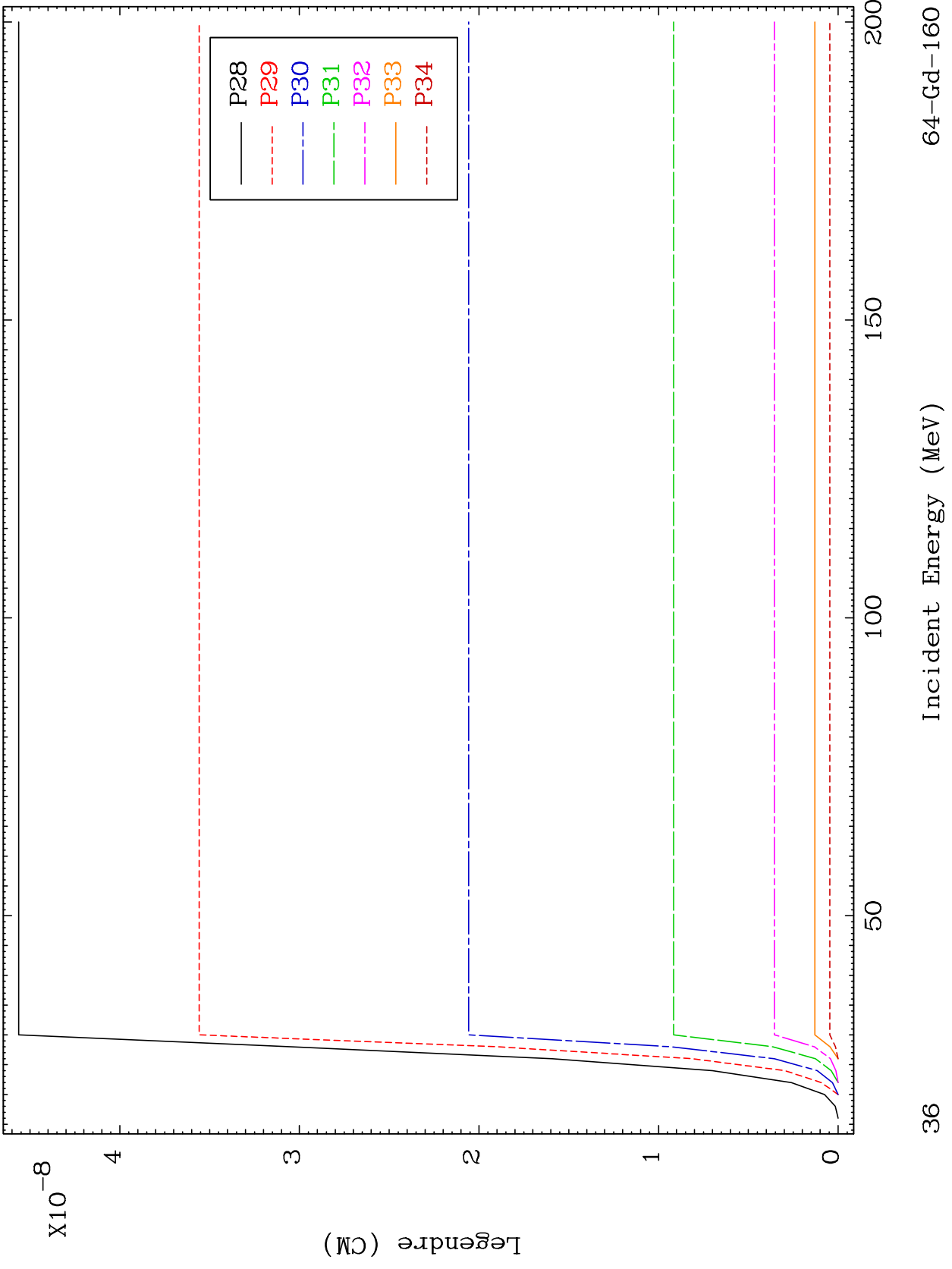
Incident Energy (MeV)

64-Gd-160

MAT 6449

MT= 54 (n,n') Level
Legendre Coefficients

64-Gd-160



36

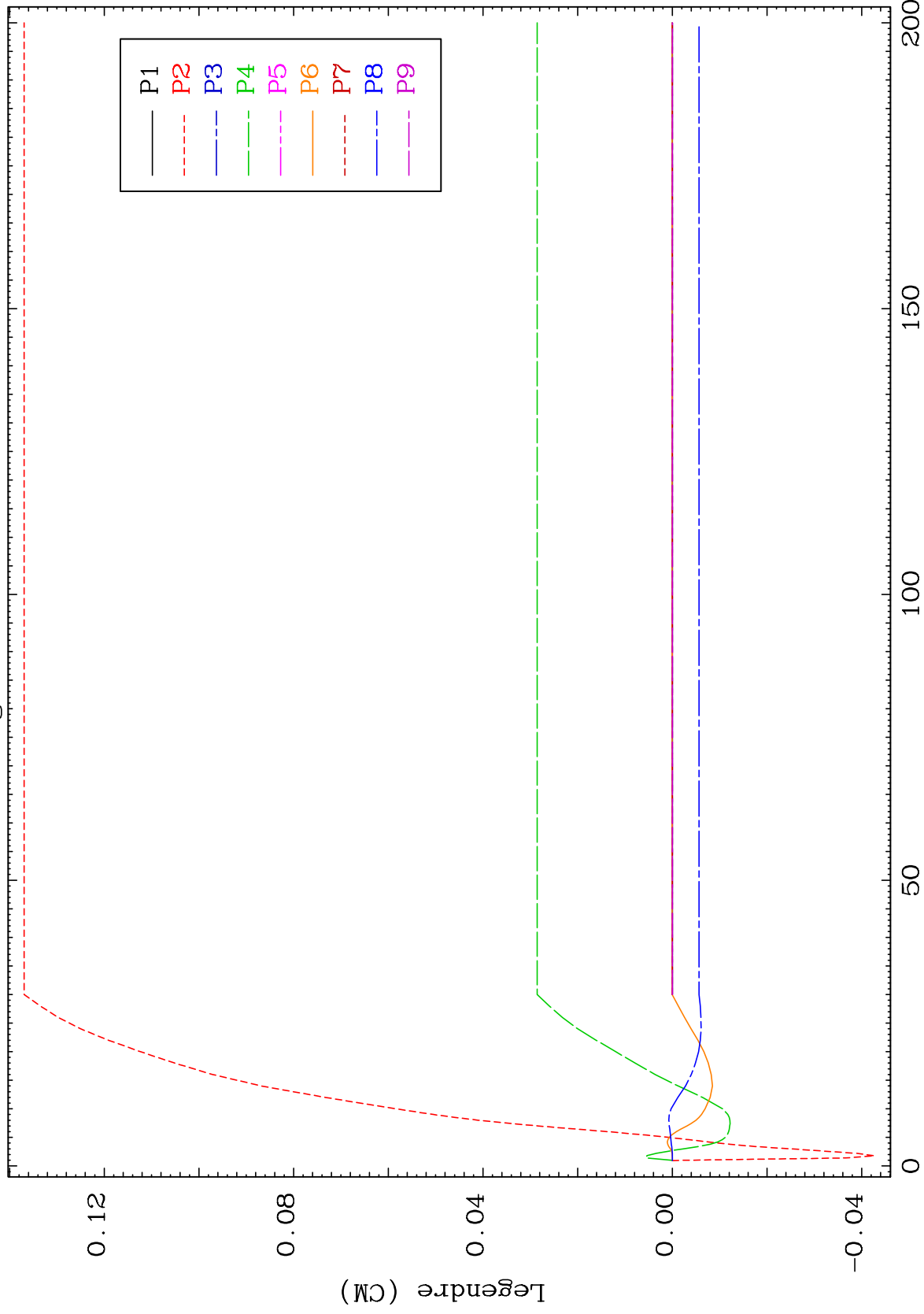
Incident Energy (MeV)

64-Gd-160

MAT 6449

MT= 55 (n,n') Level
Legendre Coefficients

64-Gd-160



37

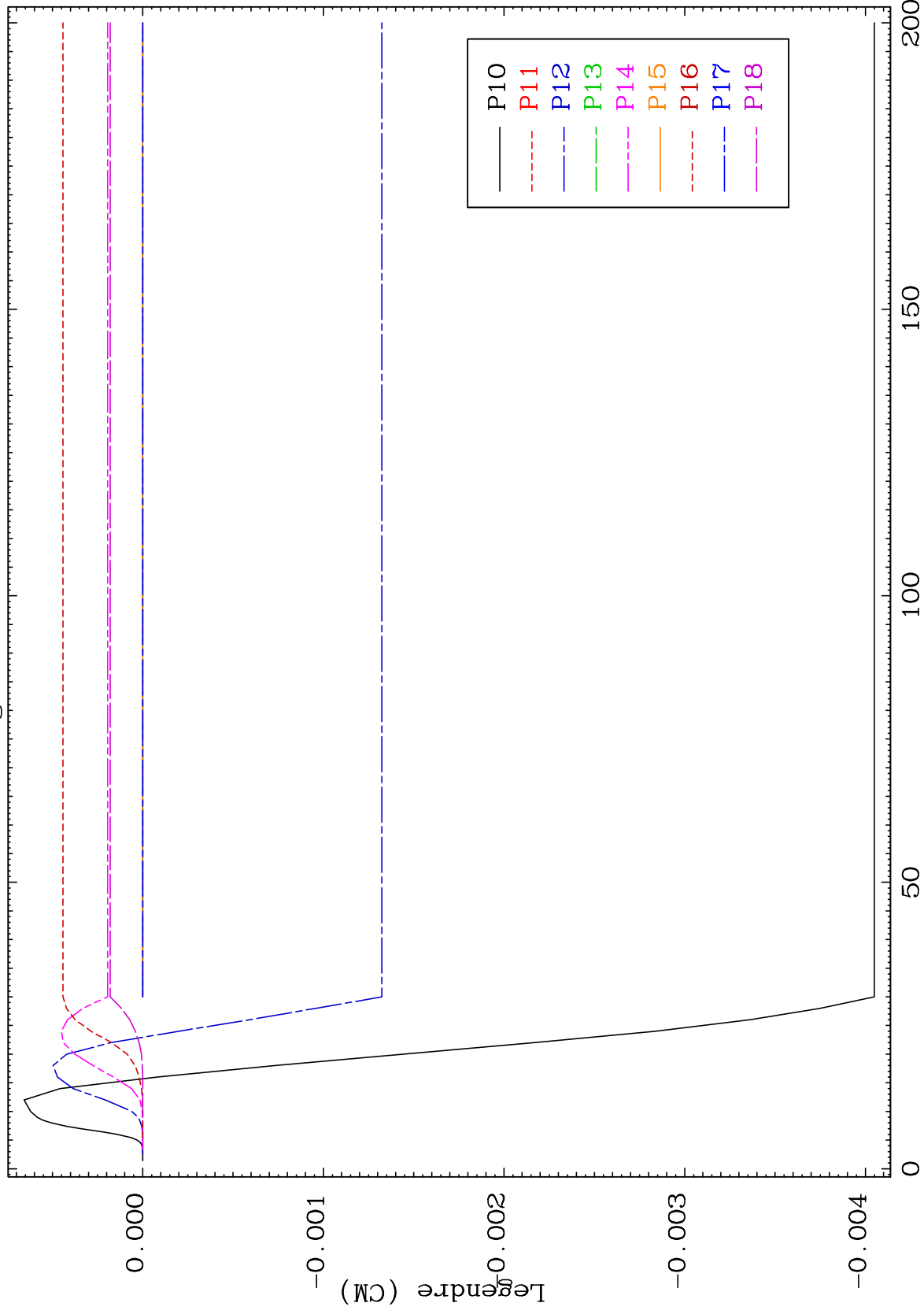
Incident Energy (MeV)

64-Gd-160

MAT 6449

MT= 55 (n,n') Level
Legendre Coefficients

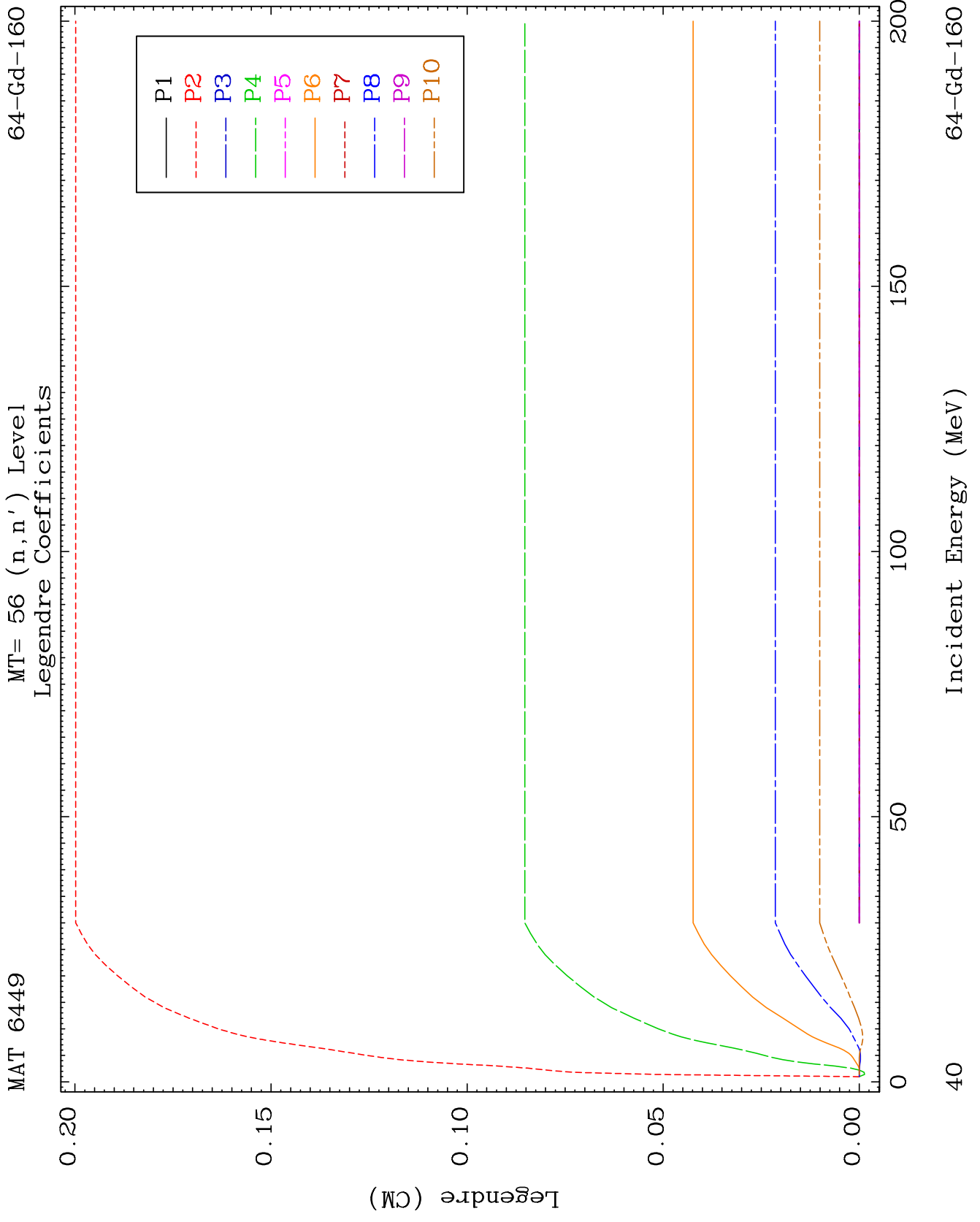
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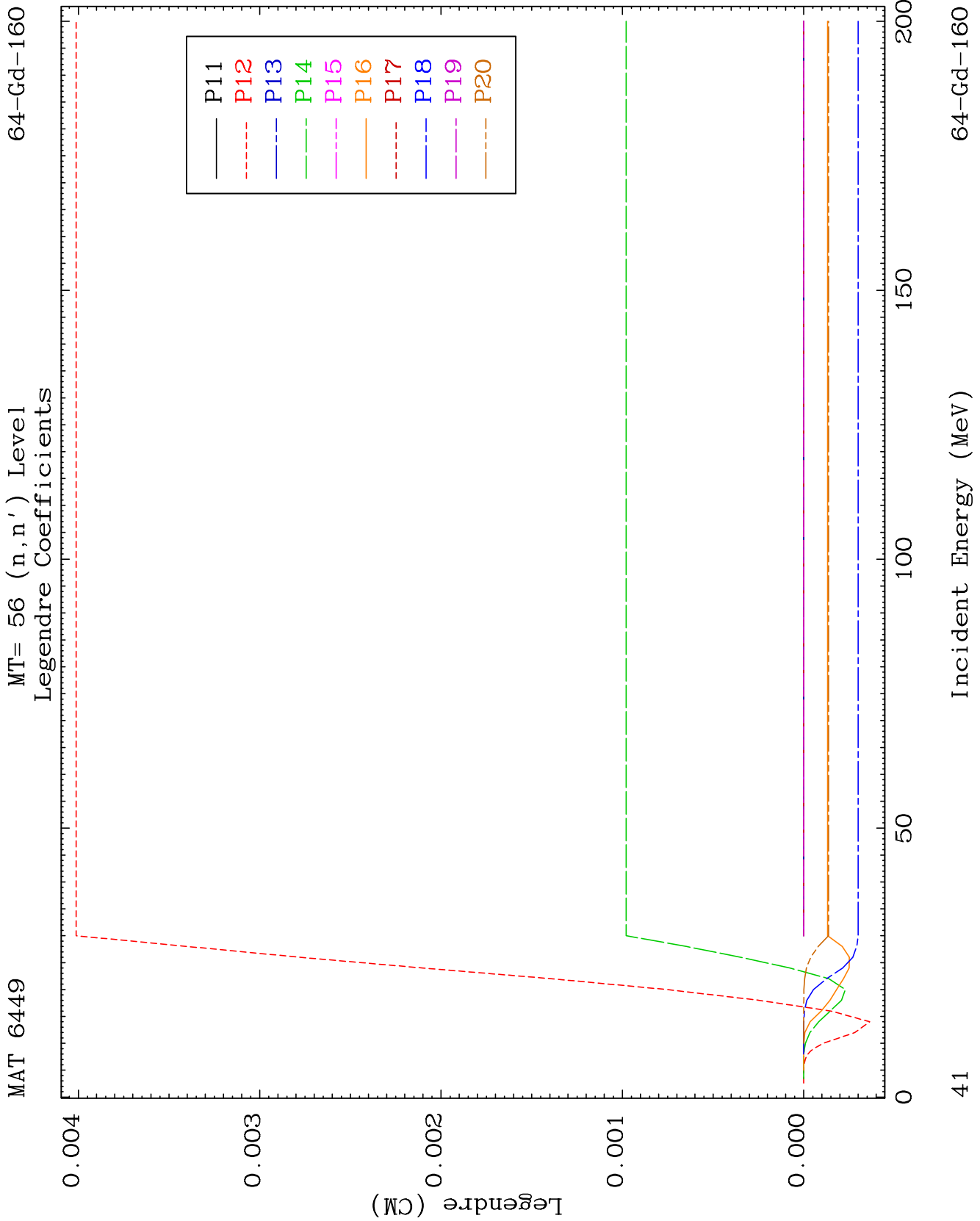


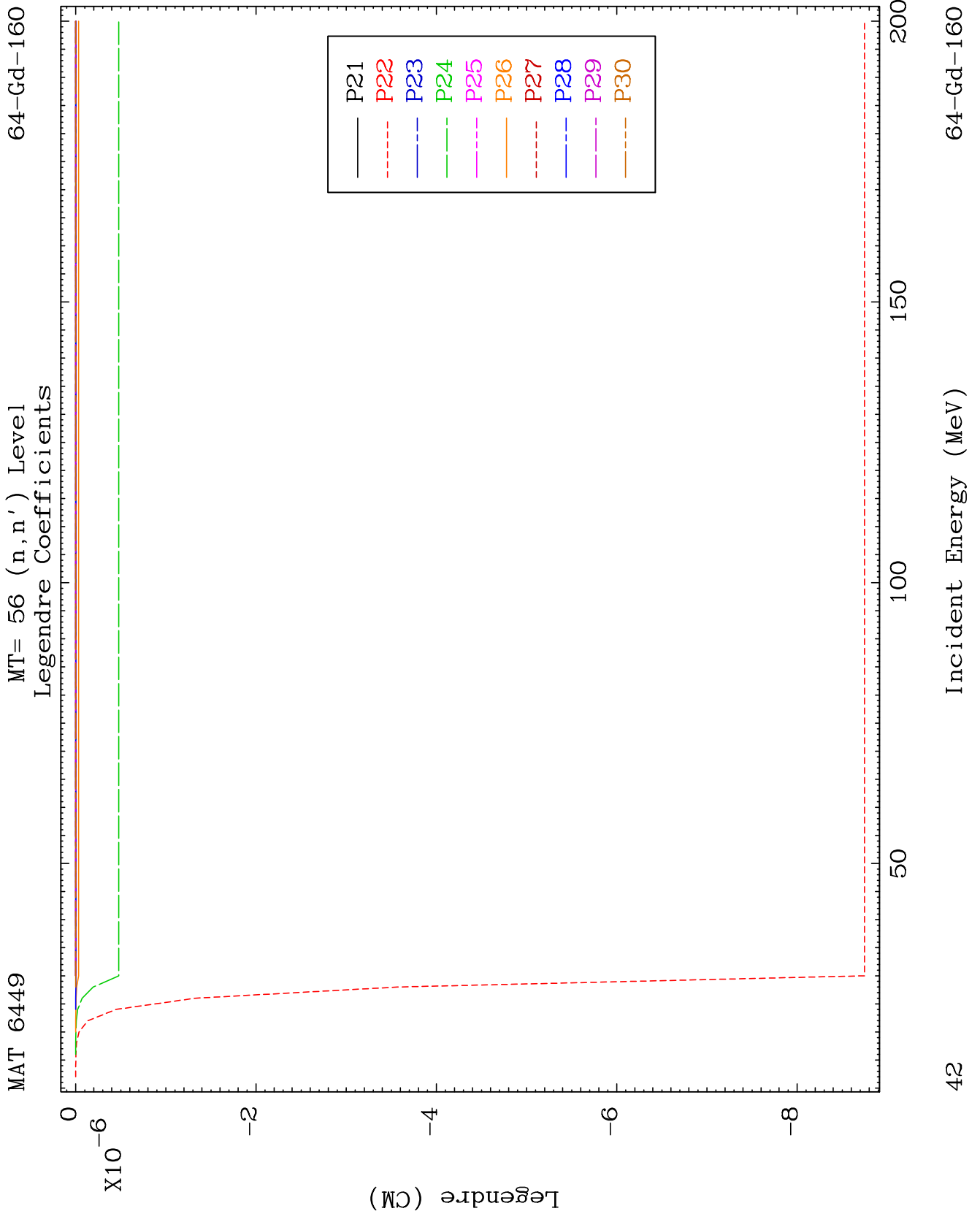
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Incident Energy (MeV)

64-Gd-160



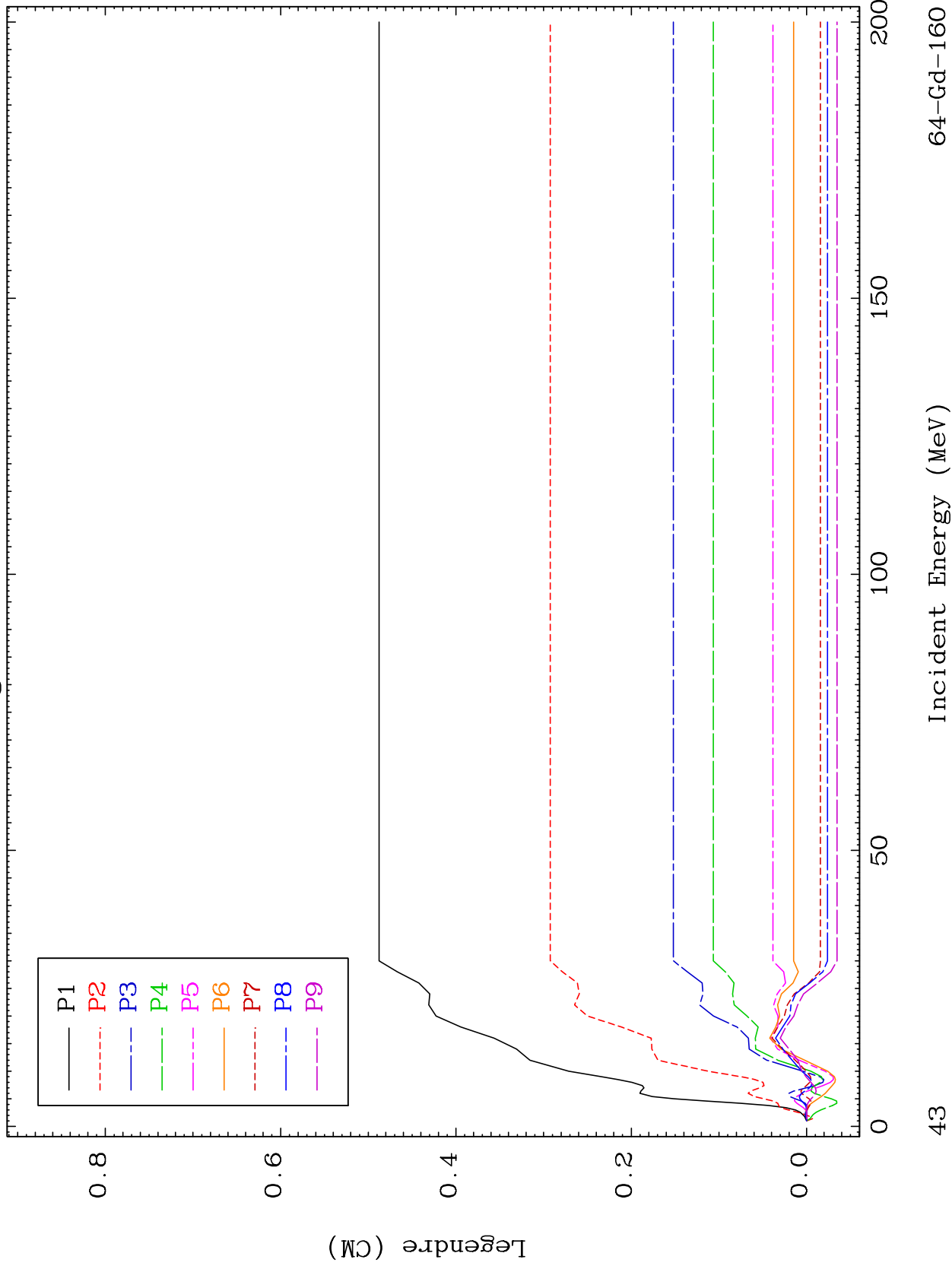




MAT 6449

MT= 57 (n,n') Level
Legendre Coefficients

64-Gd-160

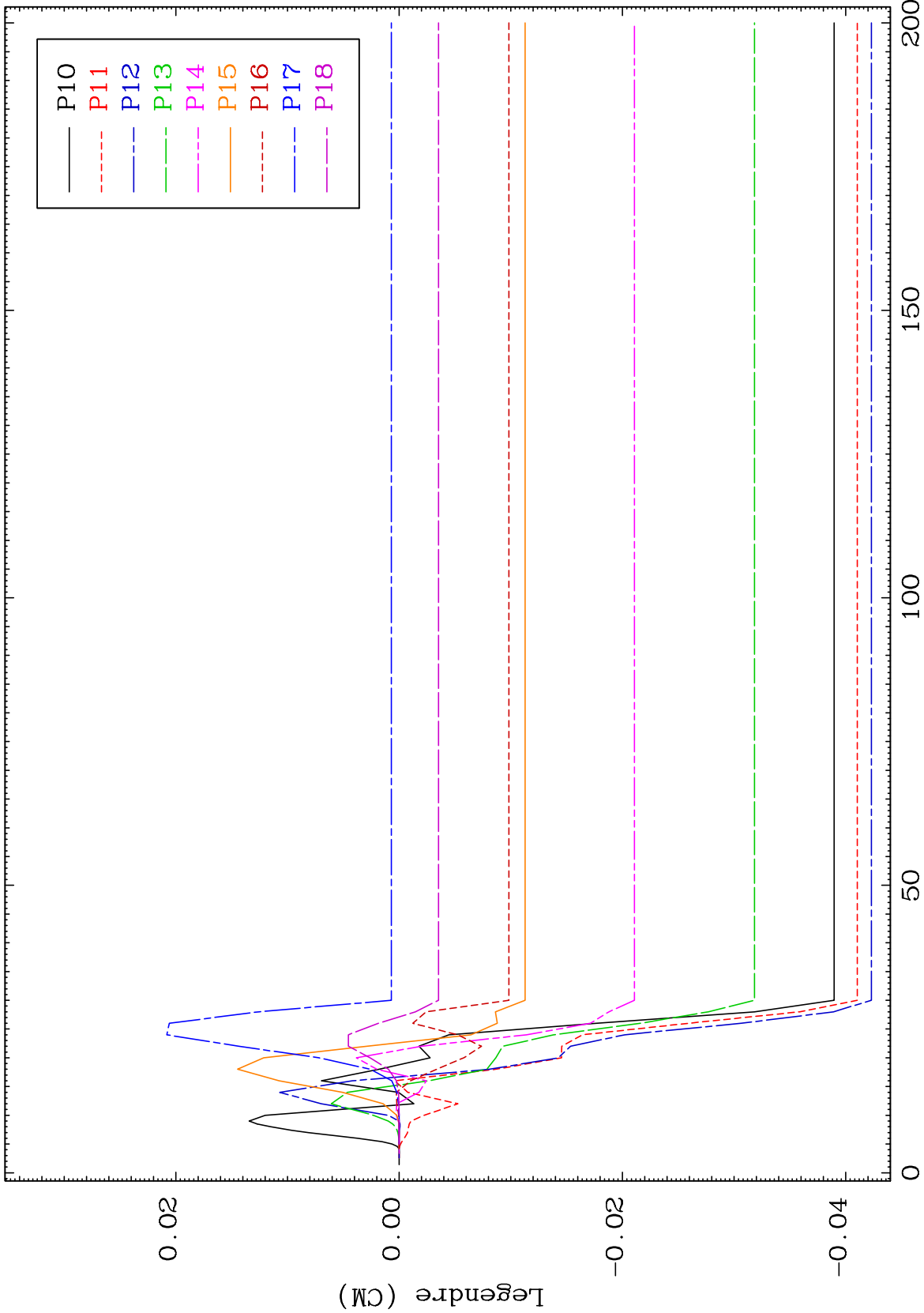


43

MAT 6449

MT= 57 (n,n') Level
Legendre Coefficients

64-Gd-160



44

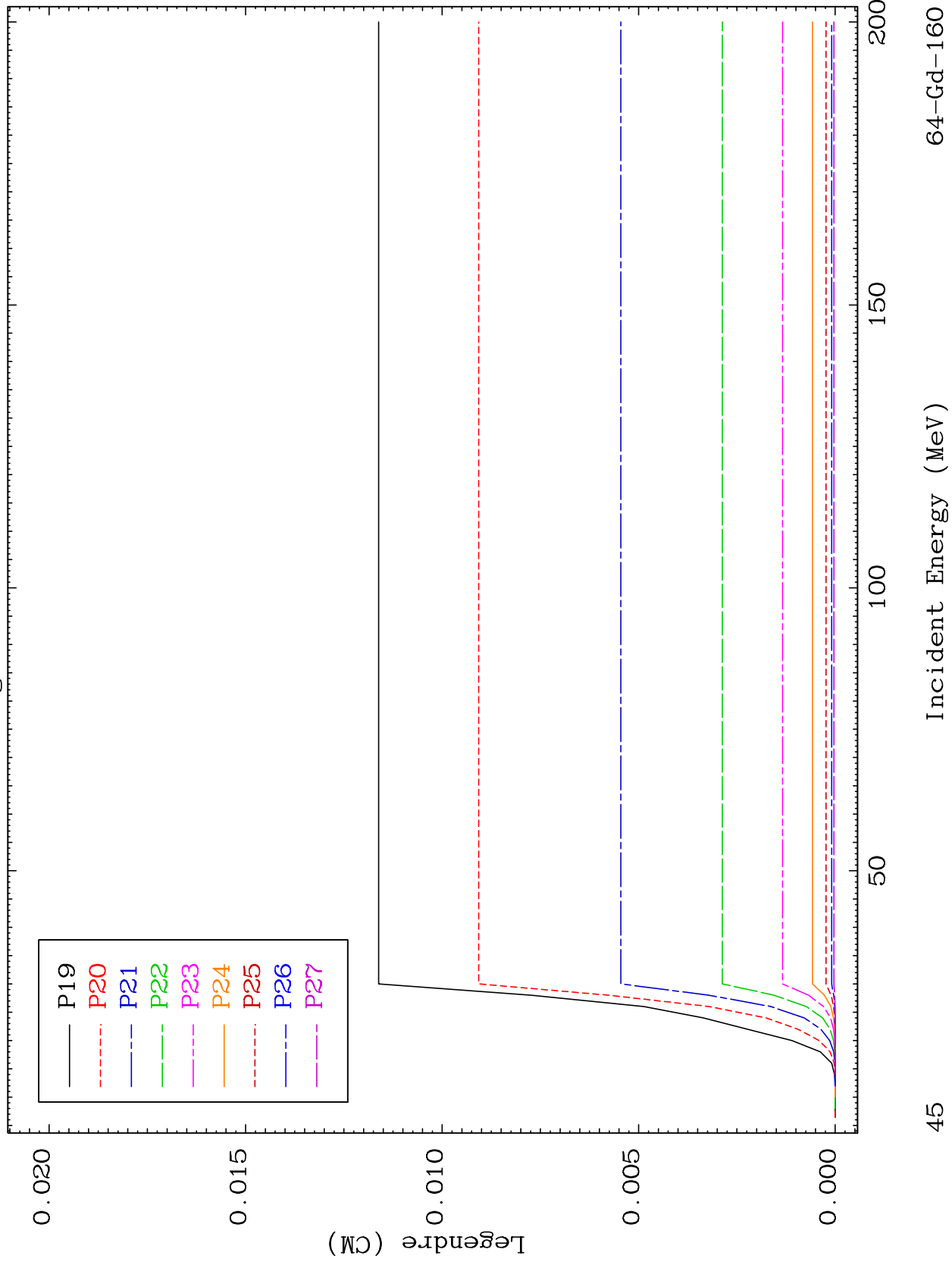
Incident Energy (MeV)

64-Gd-160

MAT 6449

MT= 57 (n,n') Level
Legendre Coefficients

64-Gd-160



45

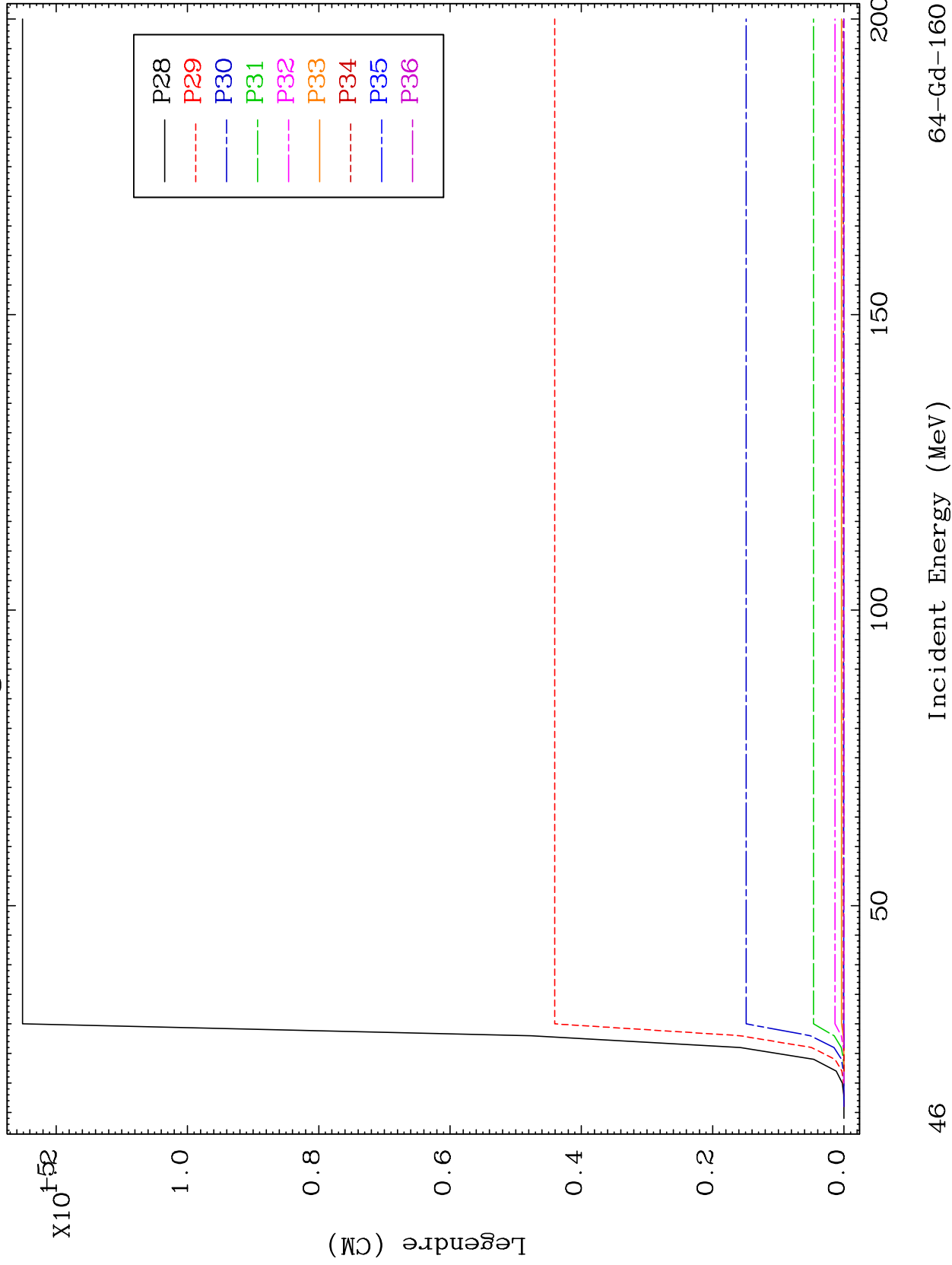
Incident Energy (MeV)

64-Gd-160

MAT 6449

MT= 57 (n,n') Level
Legendre Coefficients

64-Gd-160



46

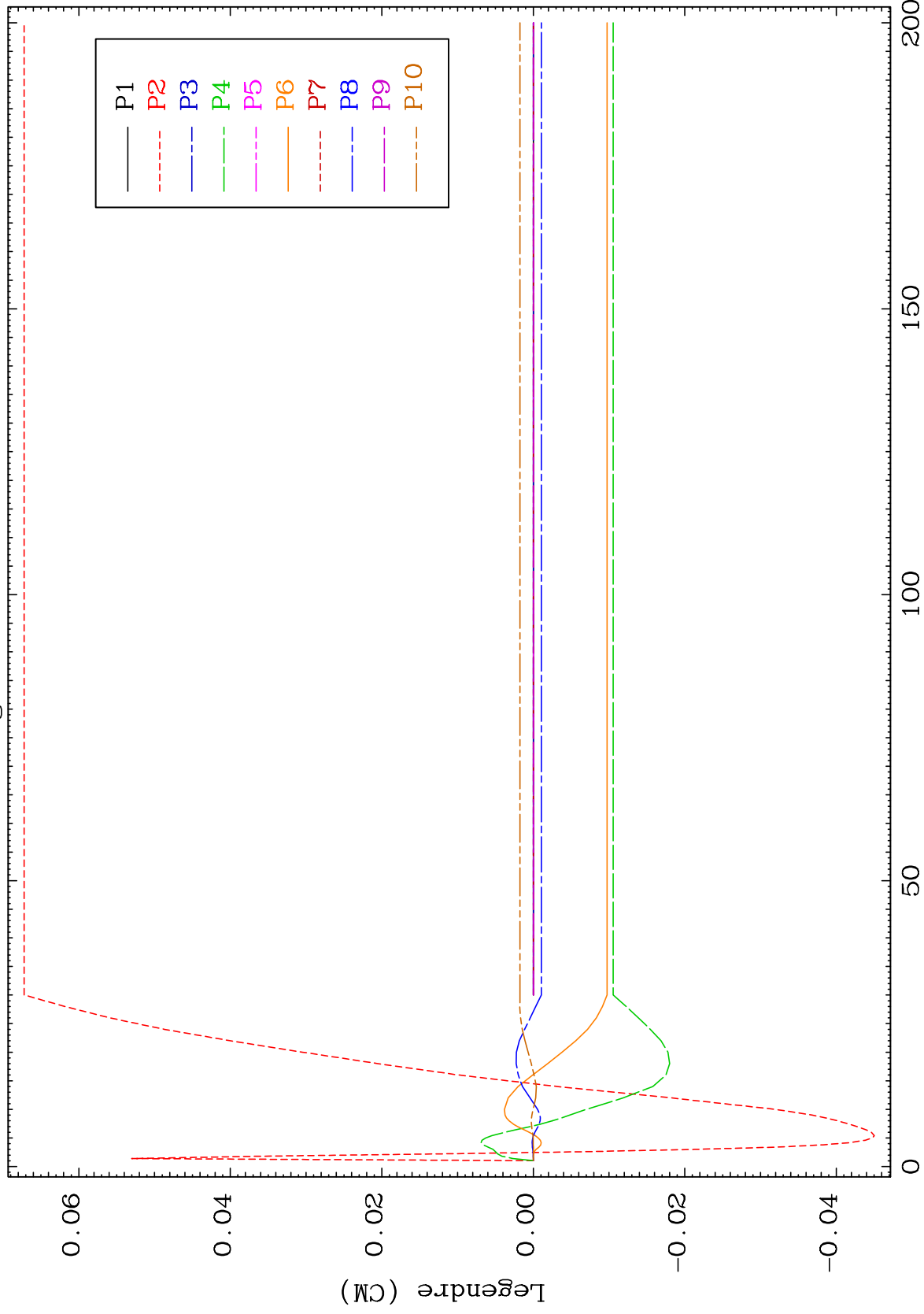
Incident Energy (MeV)

64-Gd-160

MAT 6449

MT= 58 (n,n') Level
Legendre Coefficients

64-Gd-160



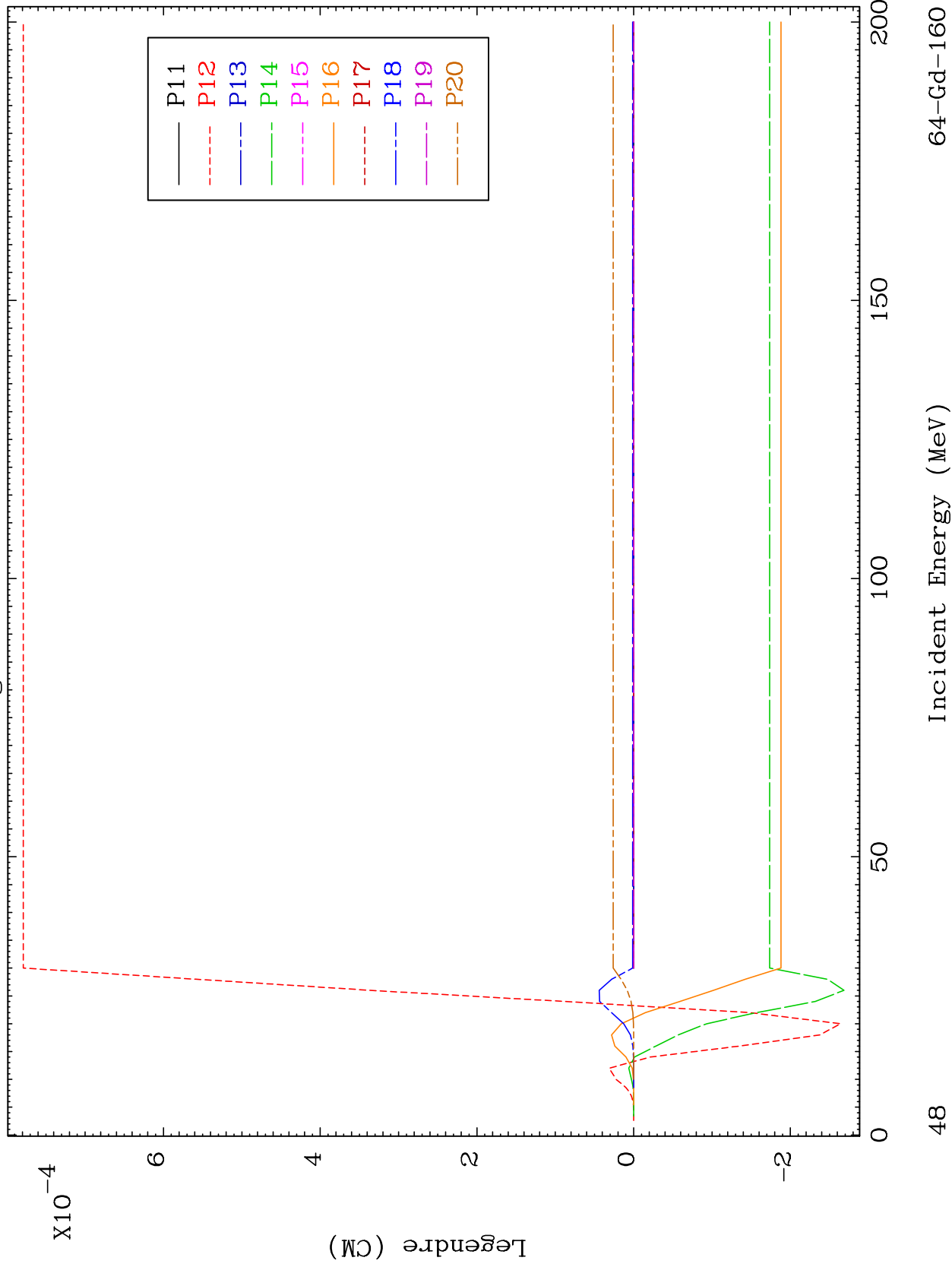
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64-Gd-160

MAT 6449

MT= 58 (n,n') Level
Legendre Coefficients

64-Gd-160



64-Gd-160

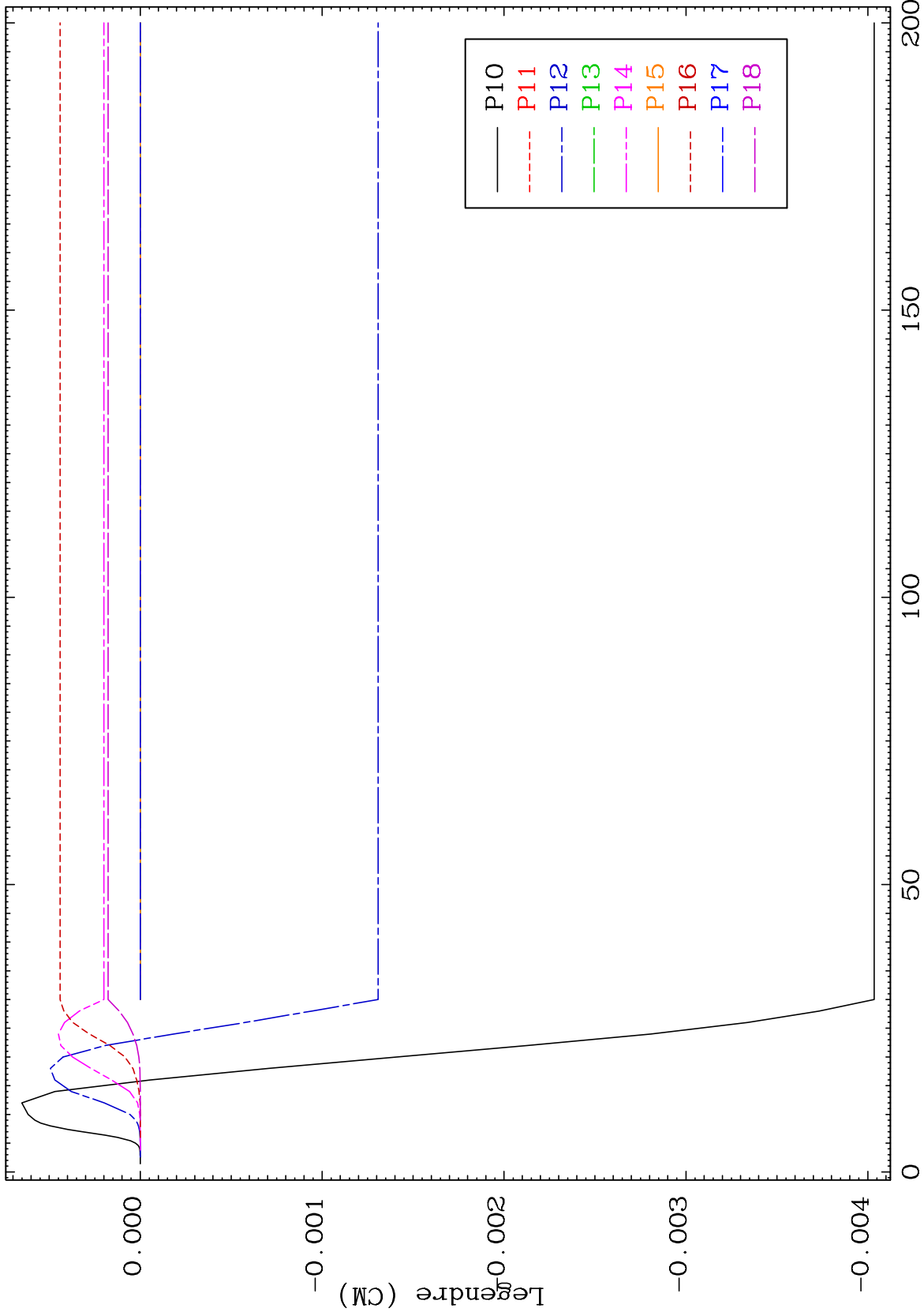
Incident Energy (MeV)

48

MAT 6449

MT= 59 (n,n') Level
Legendre Coefficients

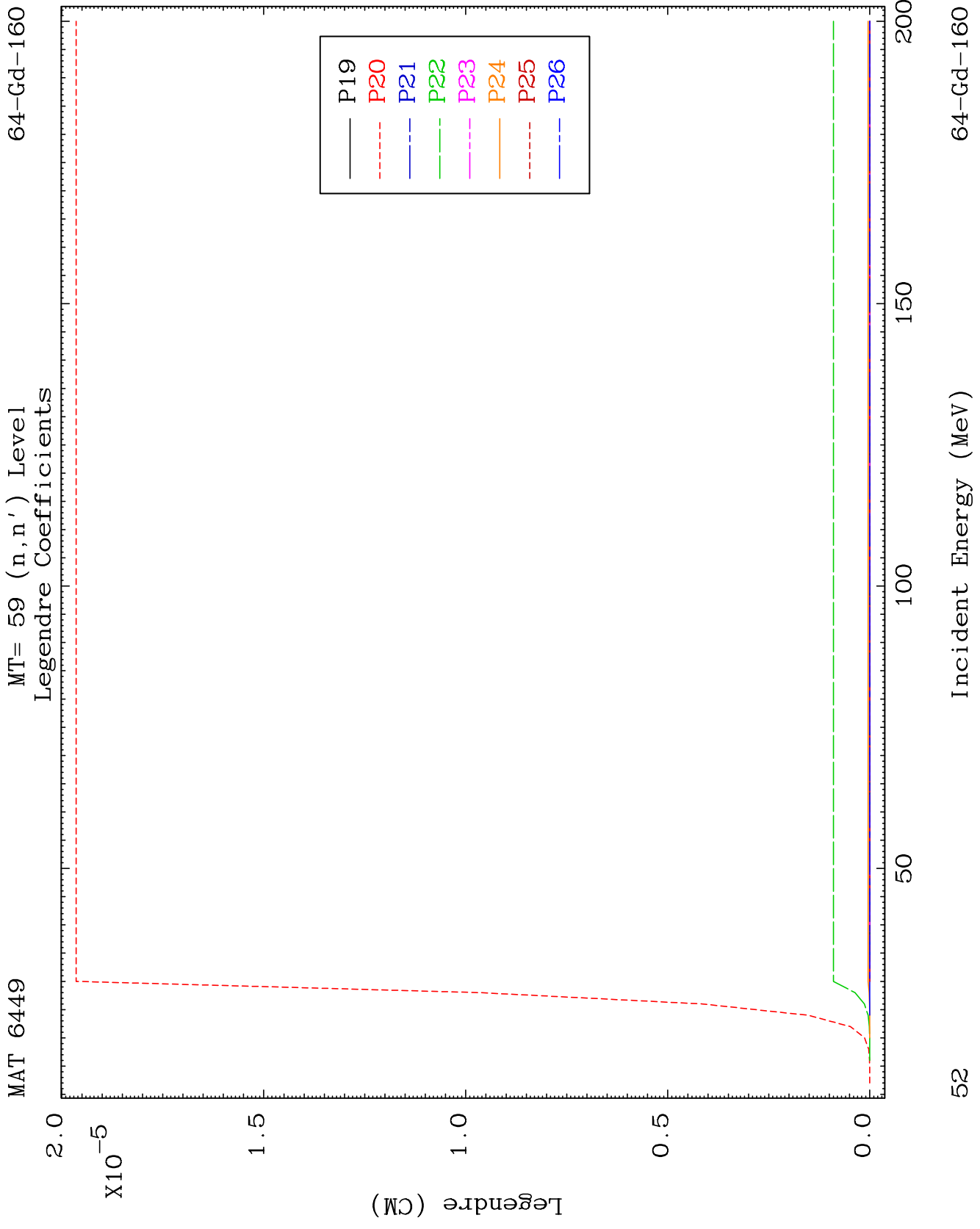
64-Gd-160



51

Incident Energy (MeV)

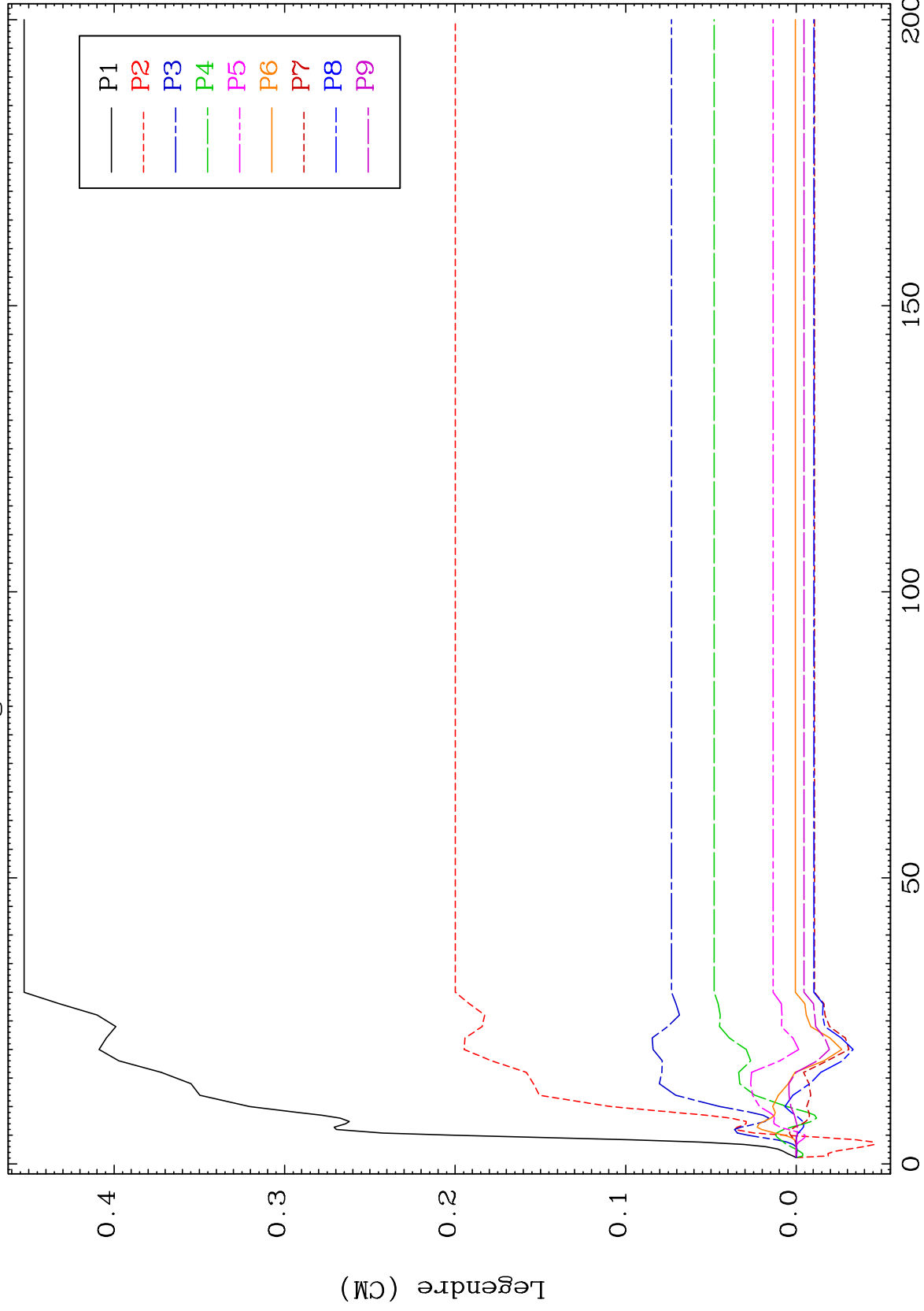
64-Gd-160



MAT 6449

MT= 60 (n,n') Level
Legendre Coefficients

64-Gd-160



53

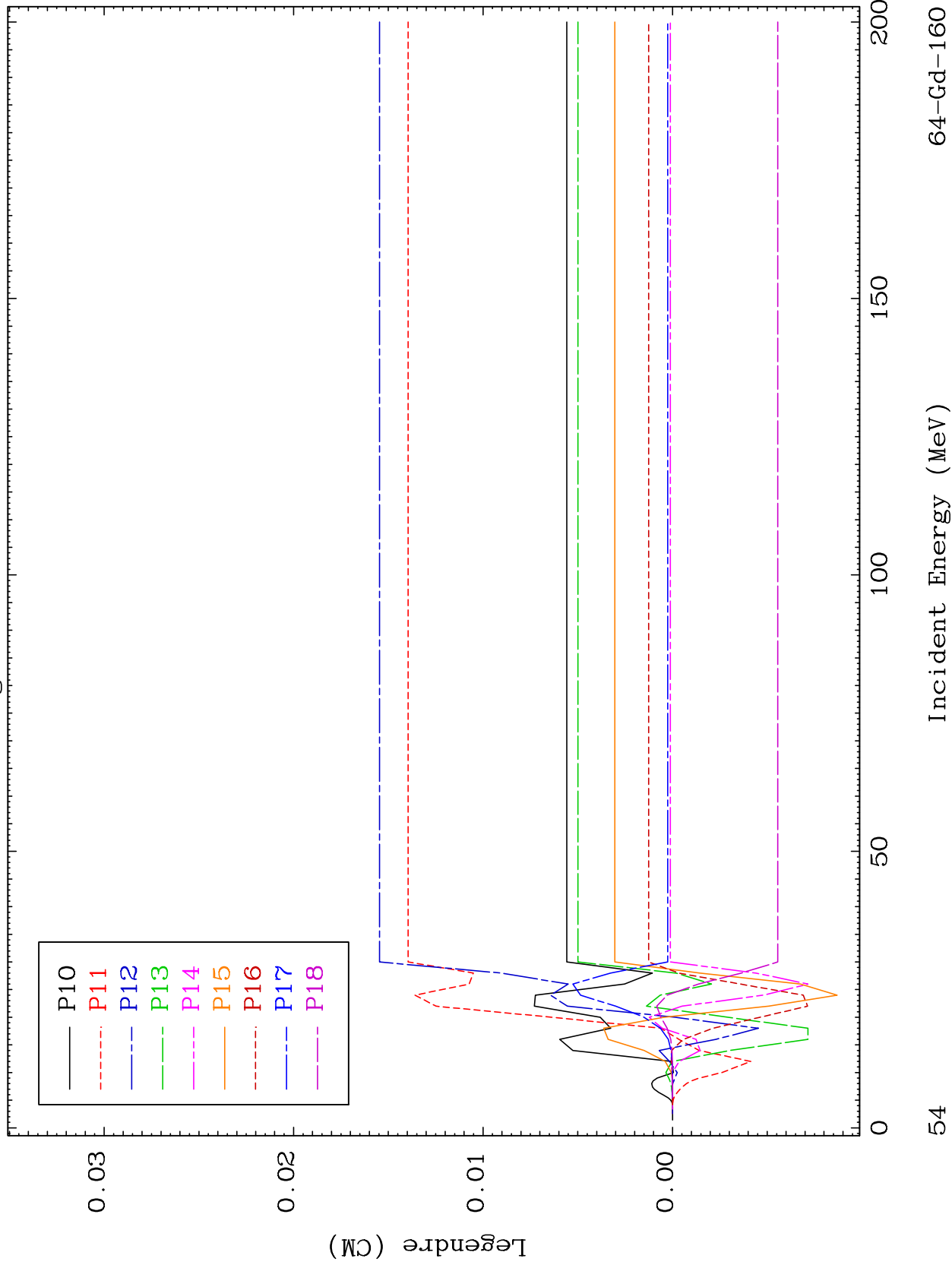
Incident Energy (MeV)

64-Gd-160

MAT 6449

MT= 60 (n,n') Level
Legendre Coefficients

64-Gd-160

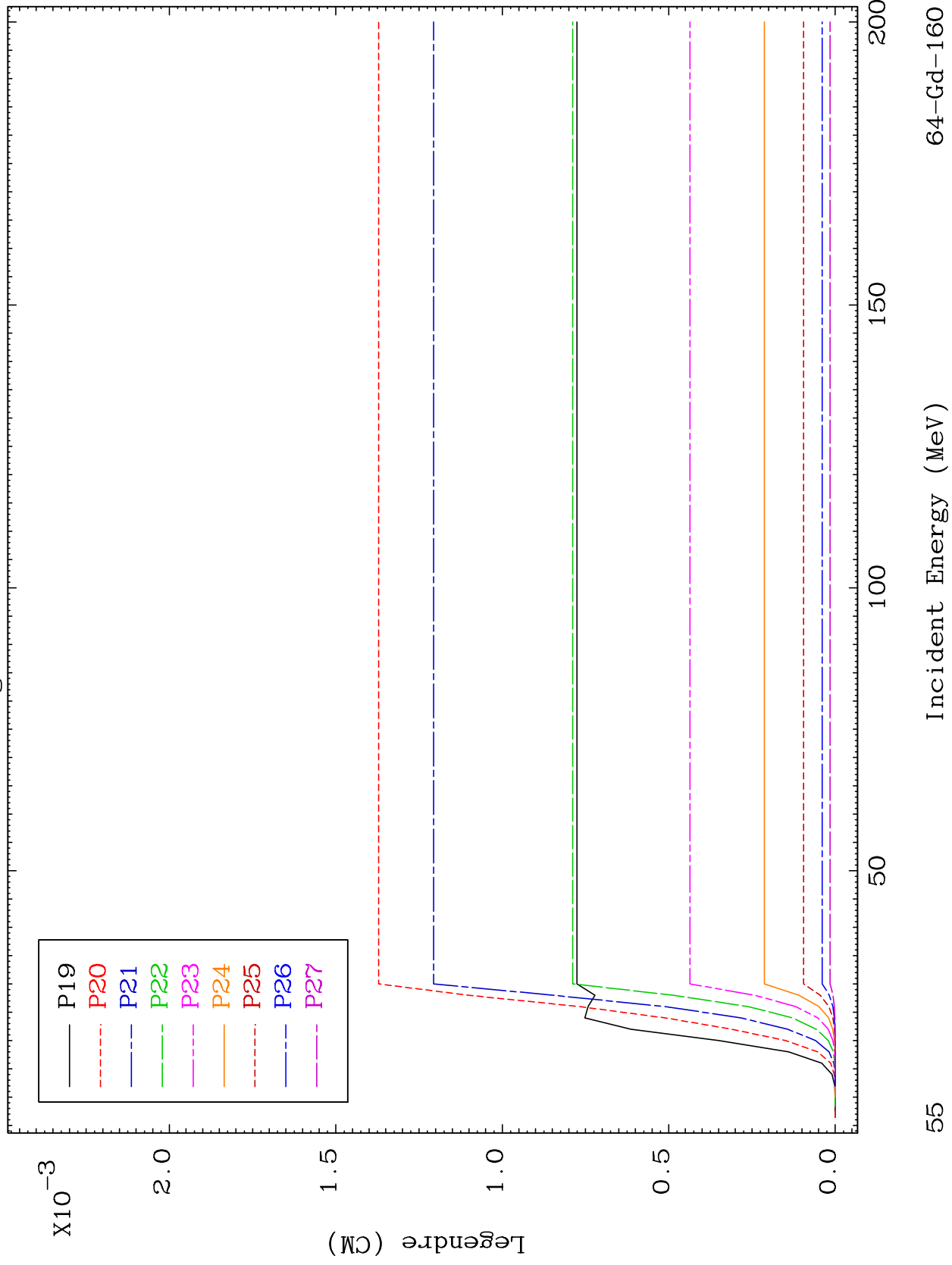


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MAT 6449

MT= 60 (n,n') Level
Legendre Coefficients

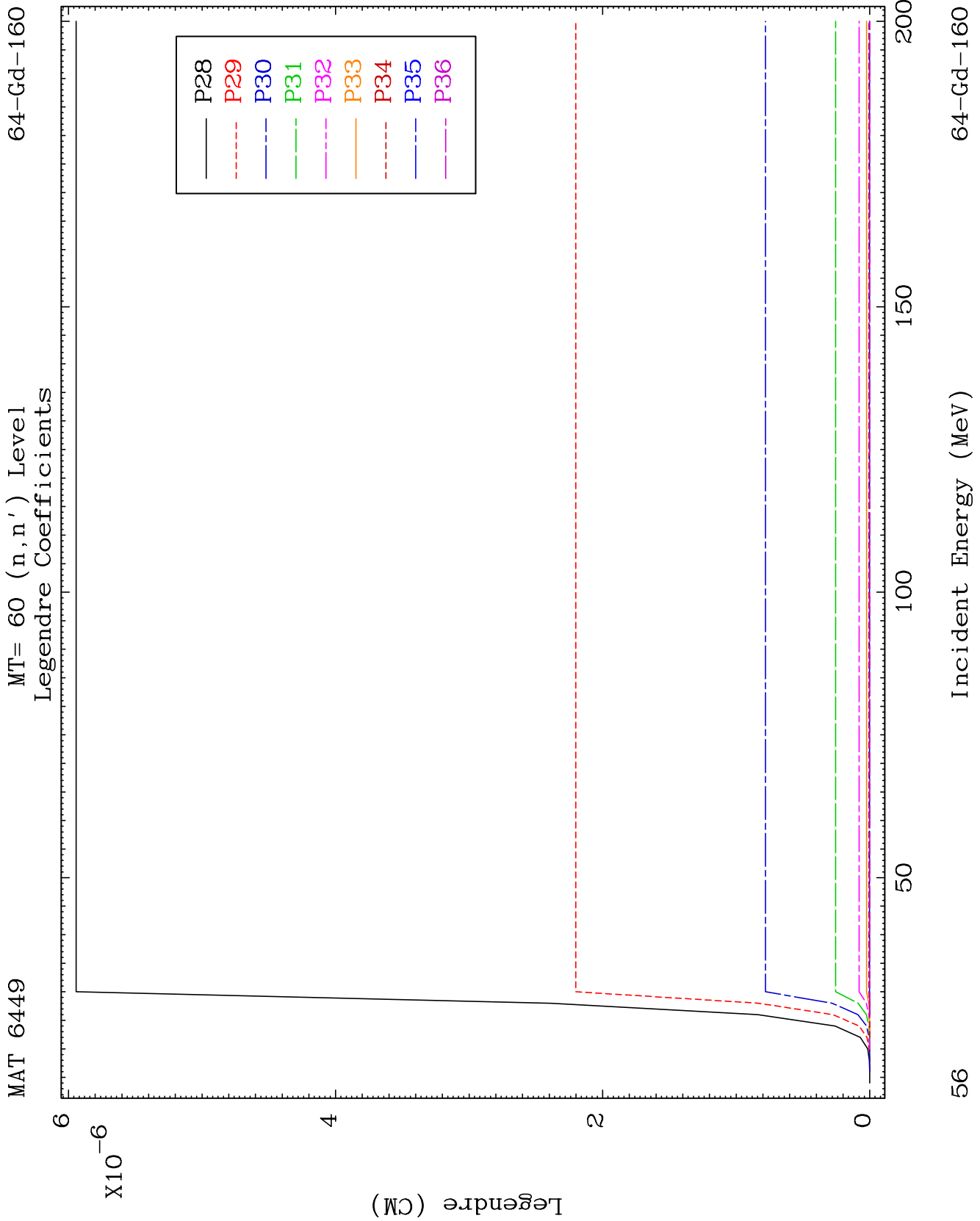
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55

Incident Energy (MeV)

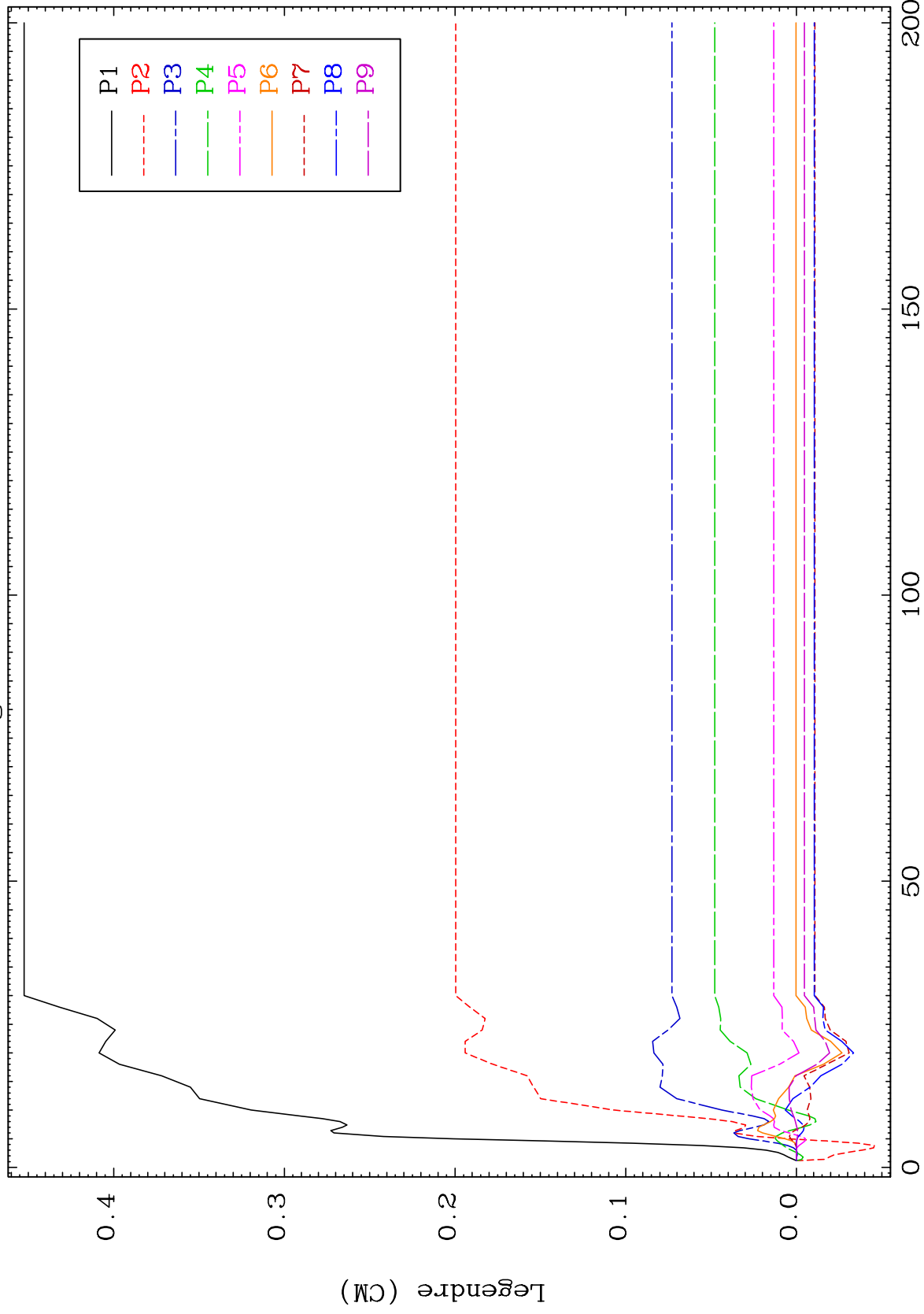
64-Gd-160



MAT 6449

MT= 61 (n,n') Level
Legendre Coefficients

64-Gd-160



57

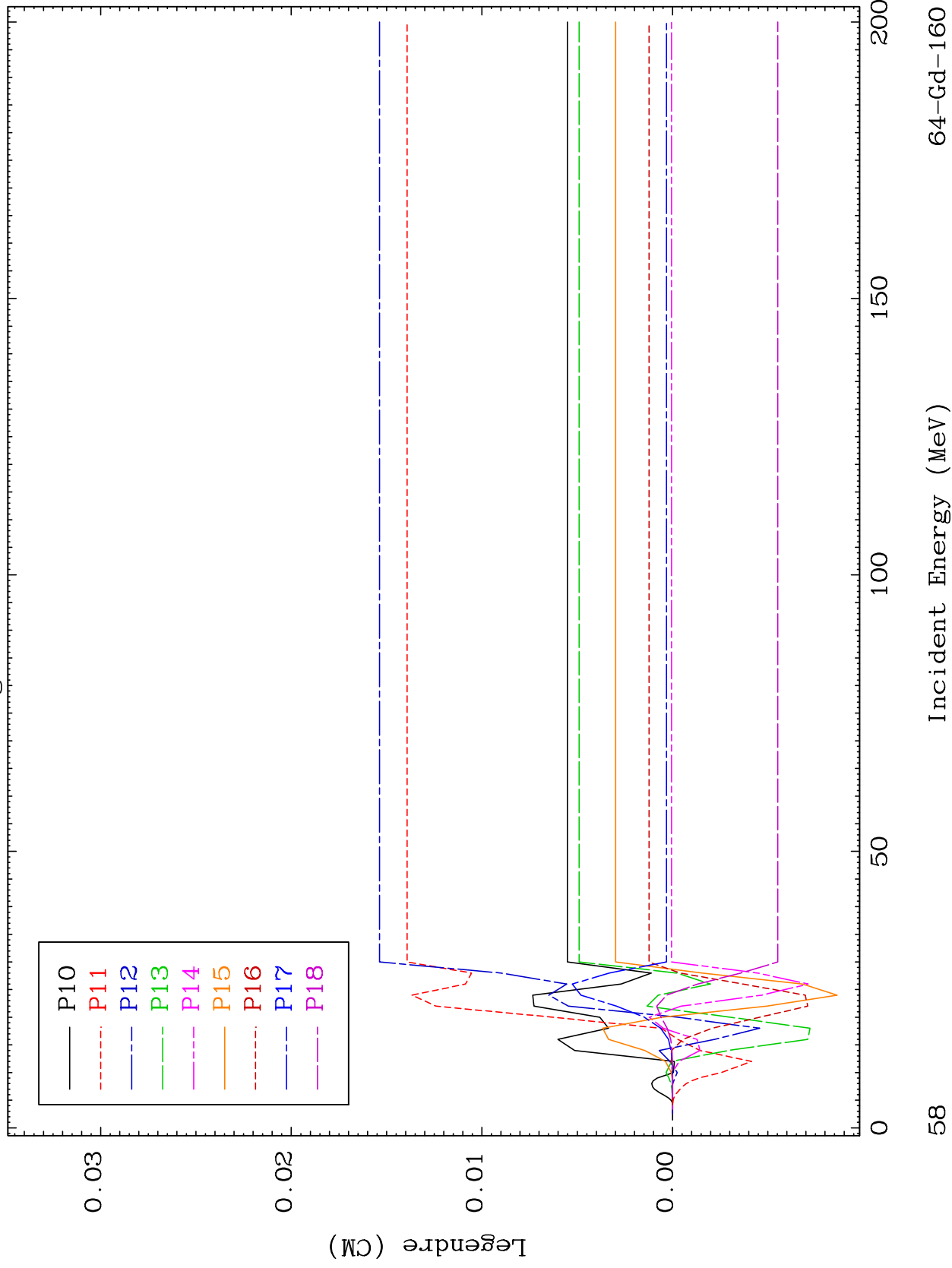
Incident Energy (MeV)

64-Gd-160

MAT 6449

MT= 61 (n,n') Level
Legendre Coefficients

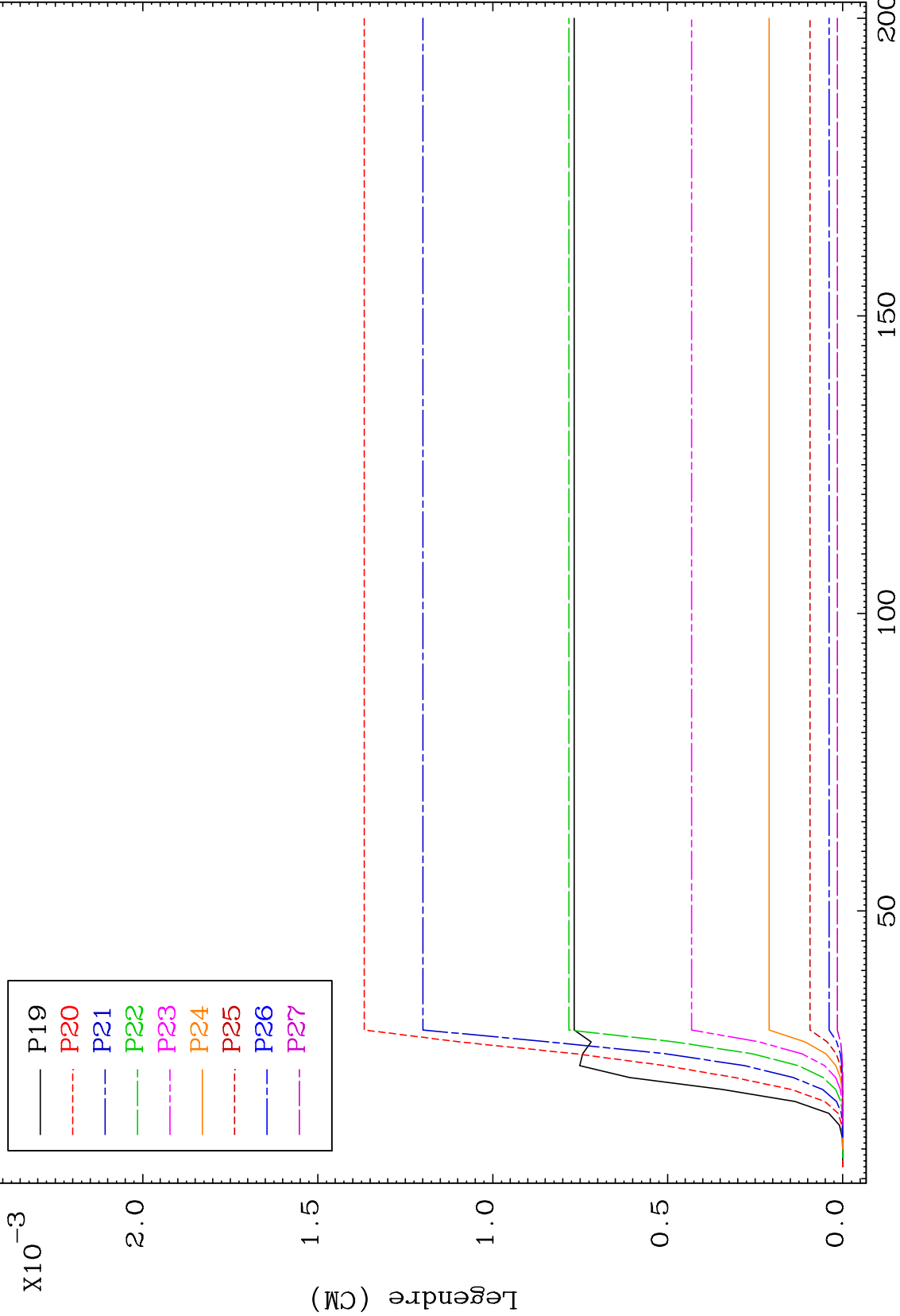
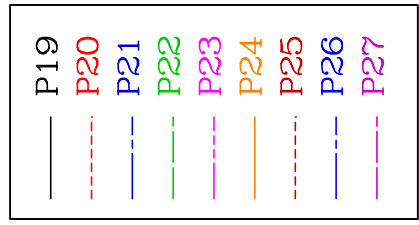
64-Gd-160



MAT 6449

MT= 61 (n,n') Level
Legendre Coefficients

64-Gd-160



59

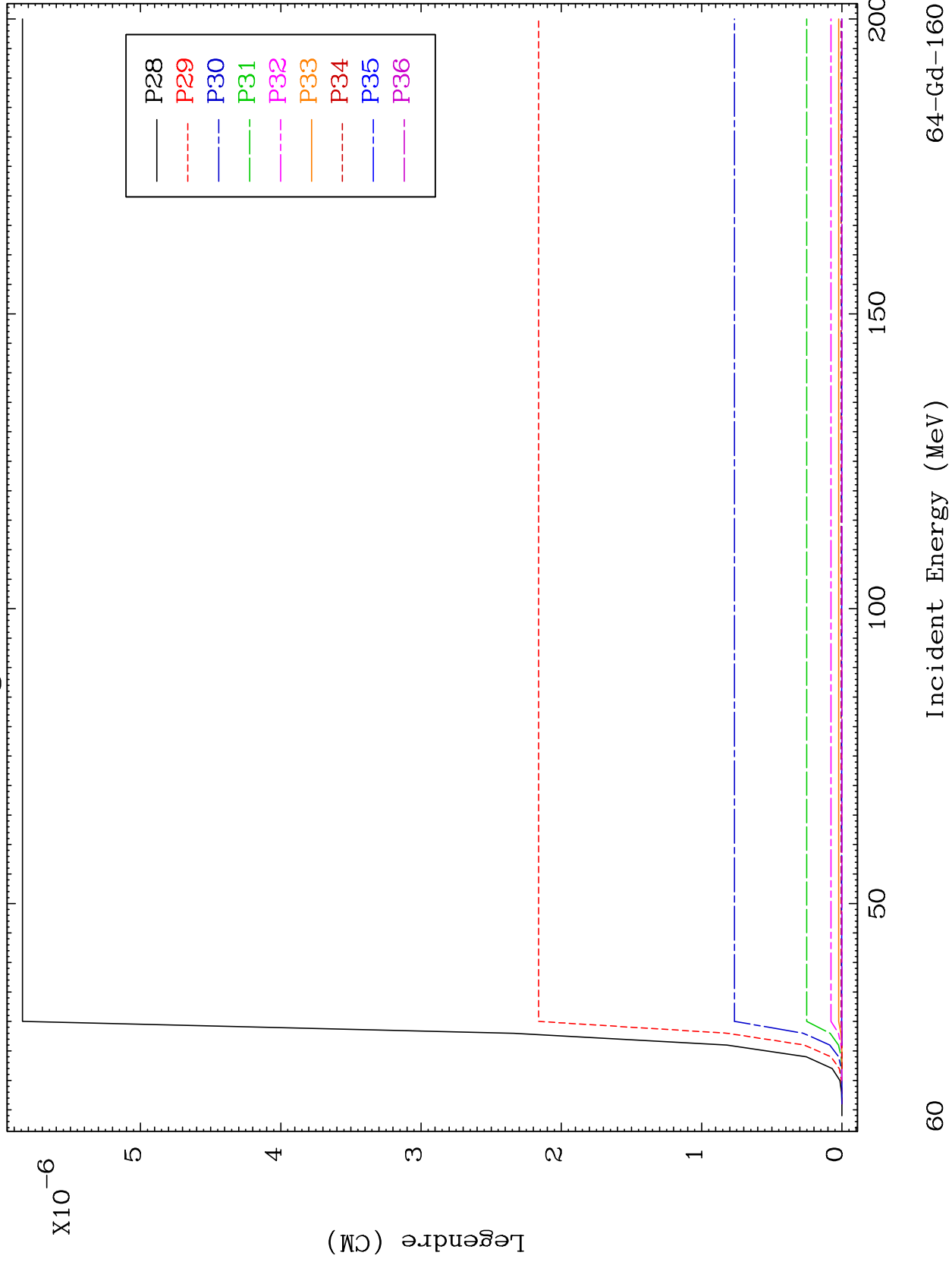
Incident Energy (MeV)

64-Gd-160

MAT 6449

MT= 61 (n,n') Level
Legendre Coefficients

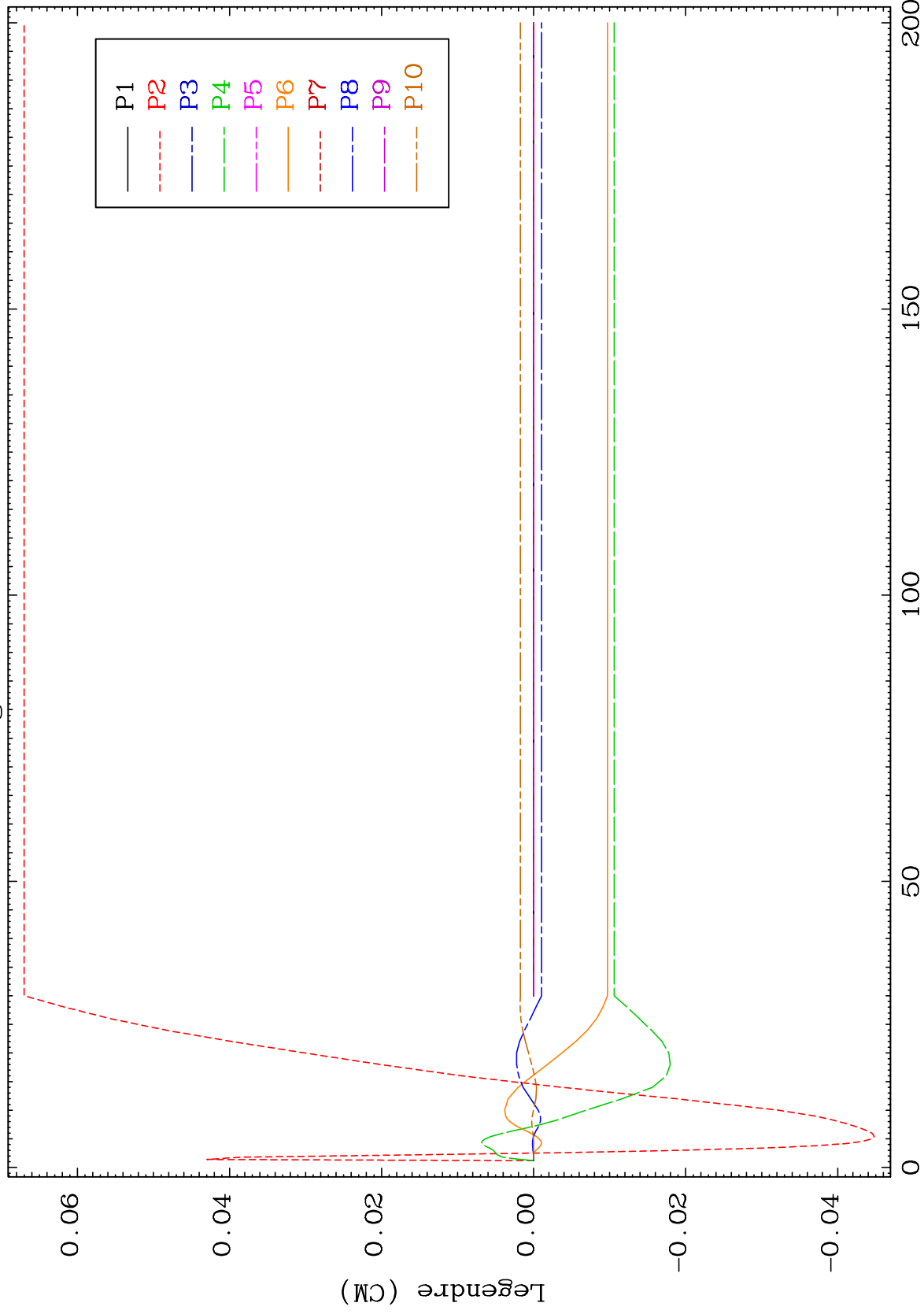
64-Gd-160



MAT 6449

MT= 62 (n,n') Level
Legendre Coefficients

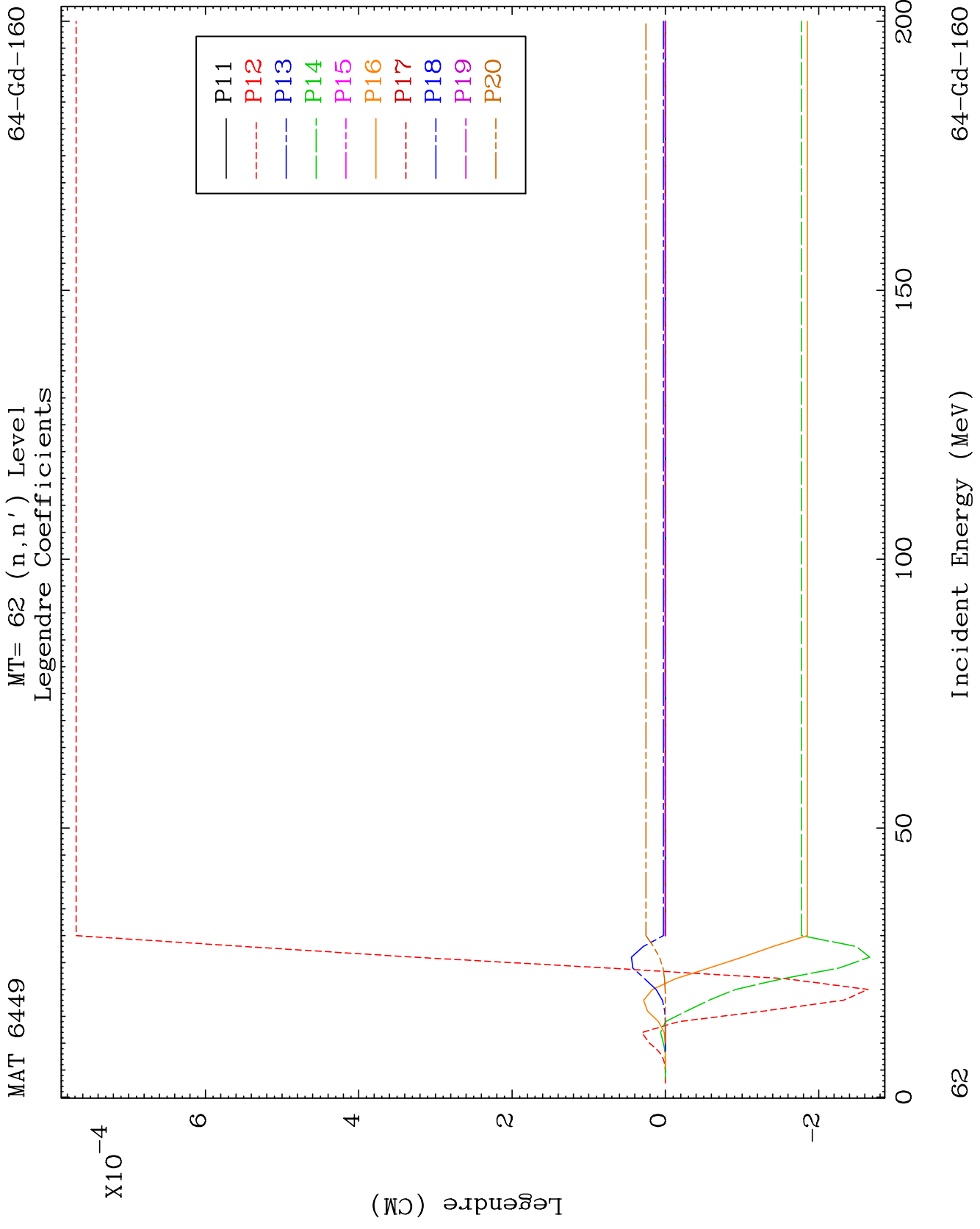
64-Gd-160



64-Gd-160

Incident Energy (MeV)

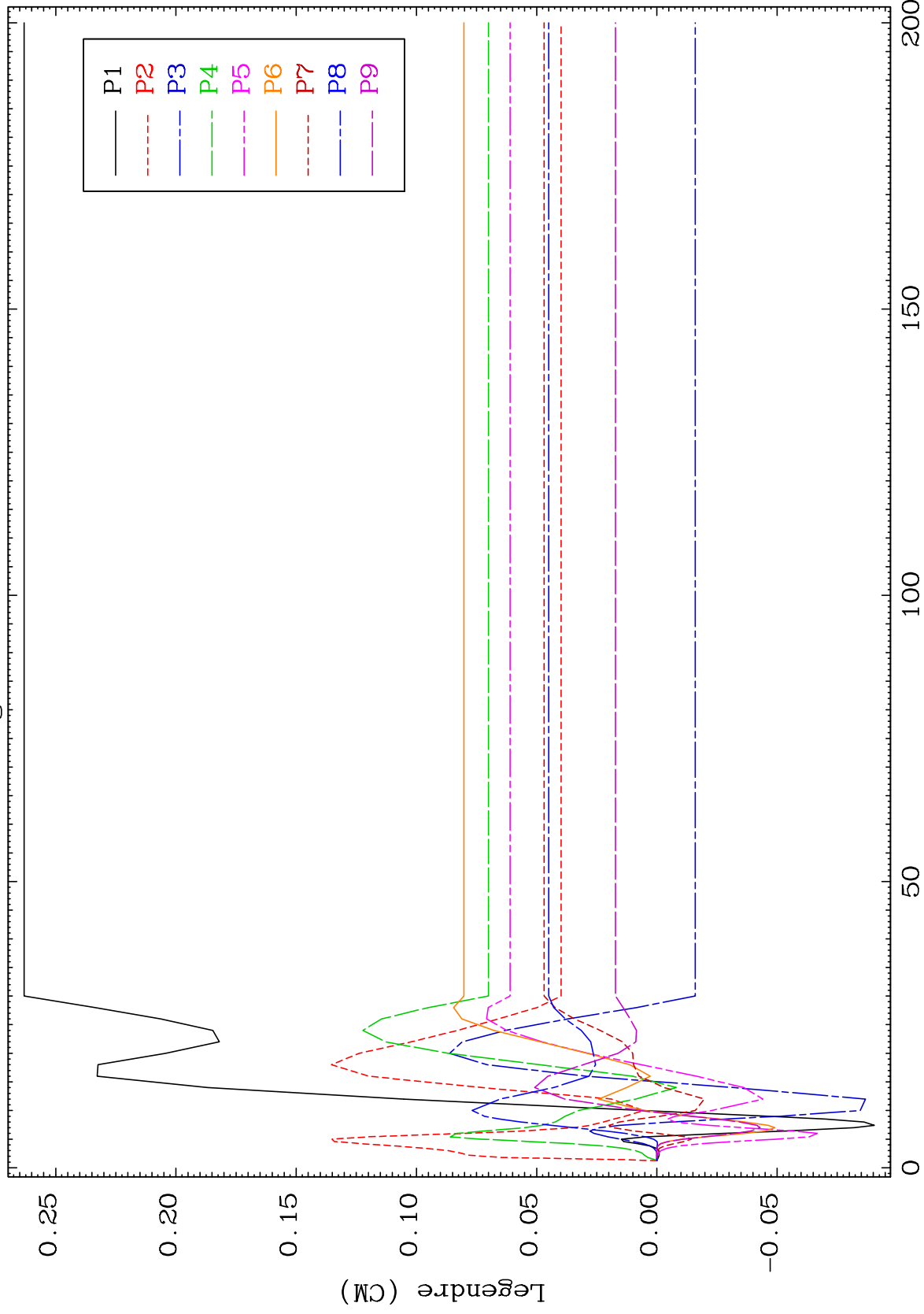
61



MAT 6449

MT= 63 (n,n') Level
Legendre Coefficients

64-Gd-160



64

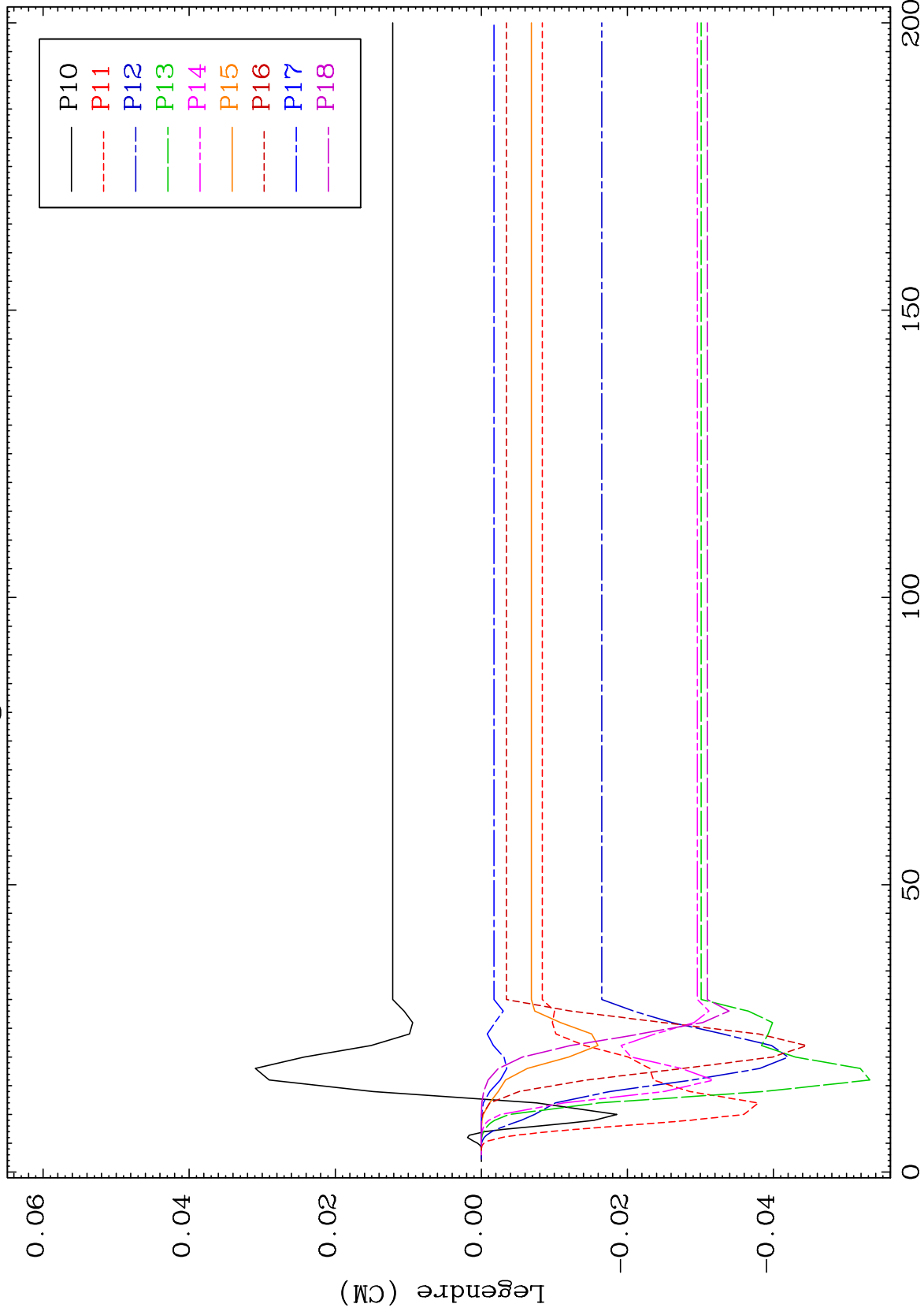
Incident Energy (MeV)

64-Gd-160

MAT 6449

MT= 63 (n,n') Level
Legendre Coefficients

64-Gd-160



65

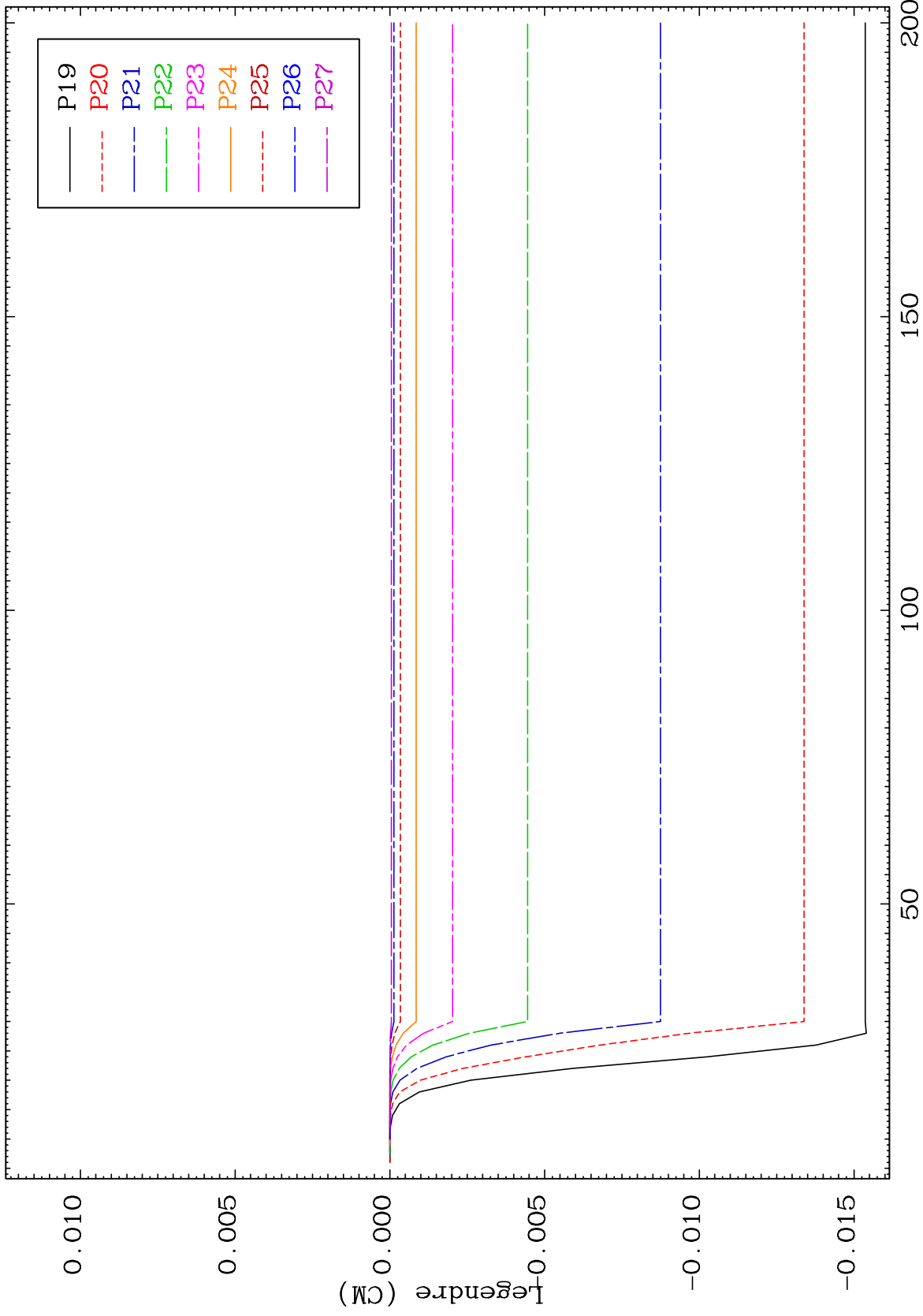
Incident Energy (MeV)

64-Gd-160

MAT 6449

MT= 63 (n,n') Level
Legendre Coefficients

64-Gd-160



66

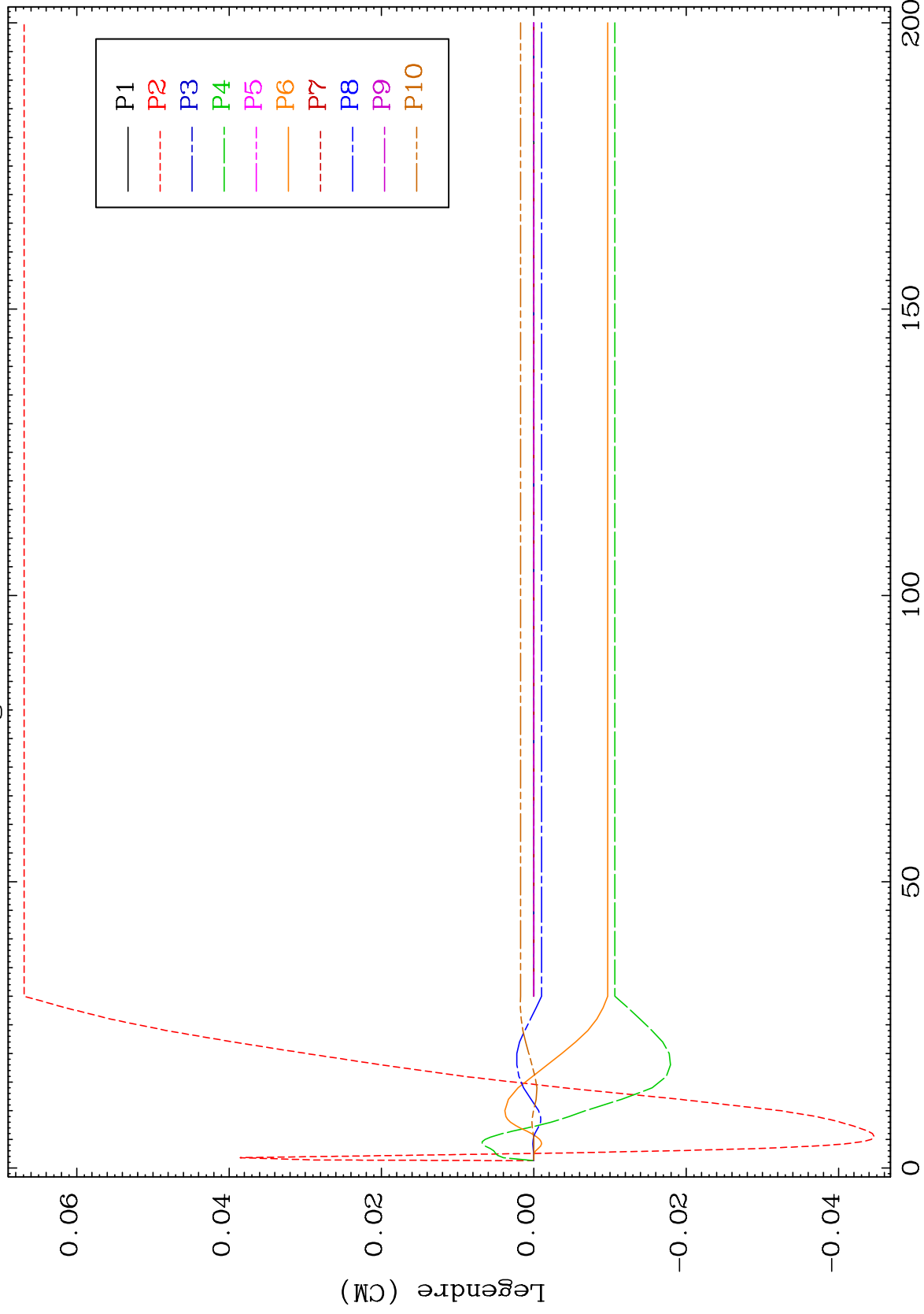
Incident Energy (MeV)

64-Gd-160

MAT 6449

MT= 64 (n,n') Level
Legendre Coefficients

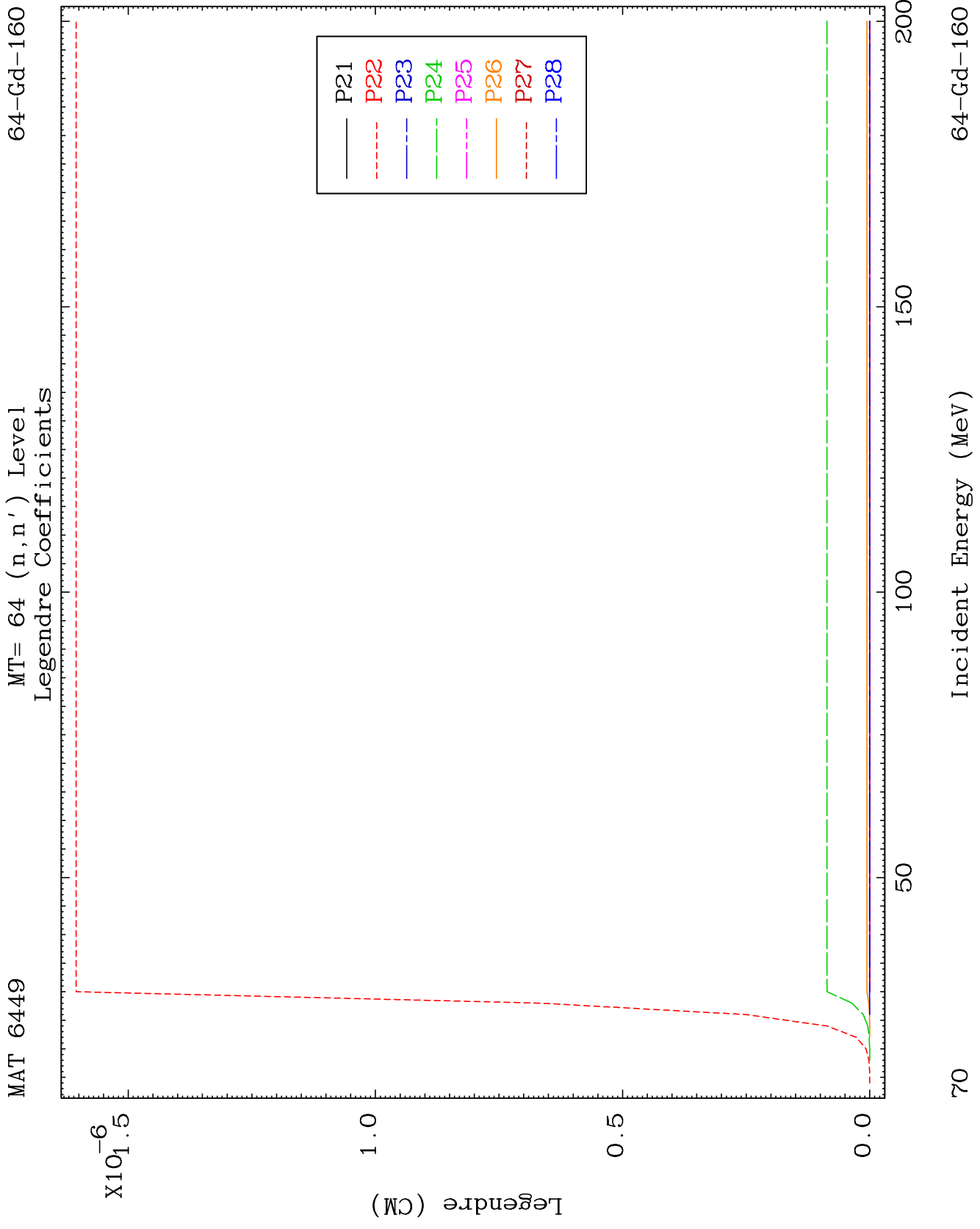
64-Gd-160



64-Gd-160

Incident Energy (MeV)

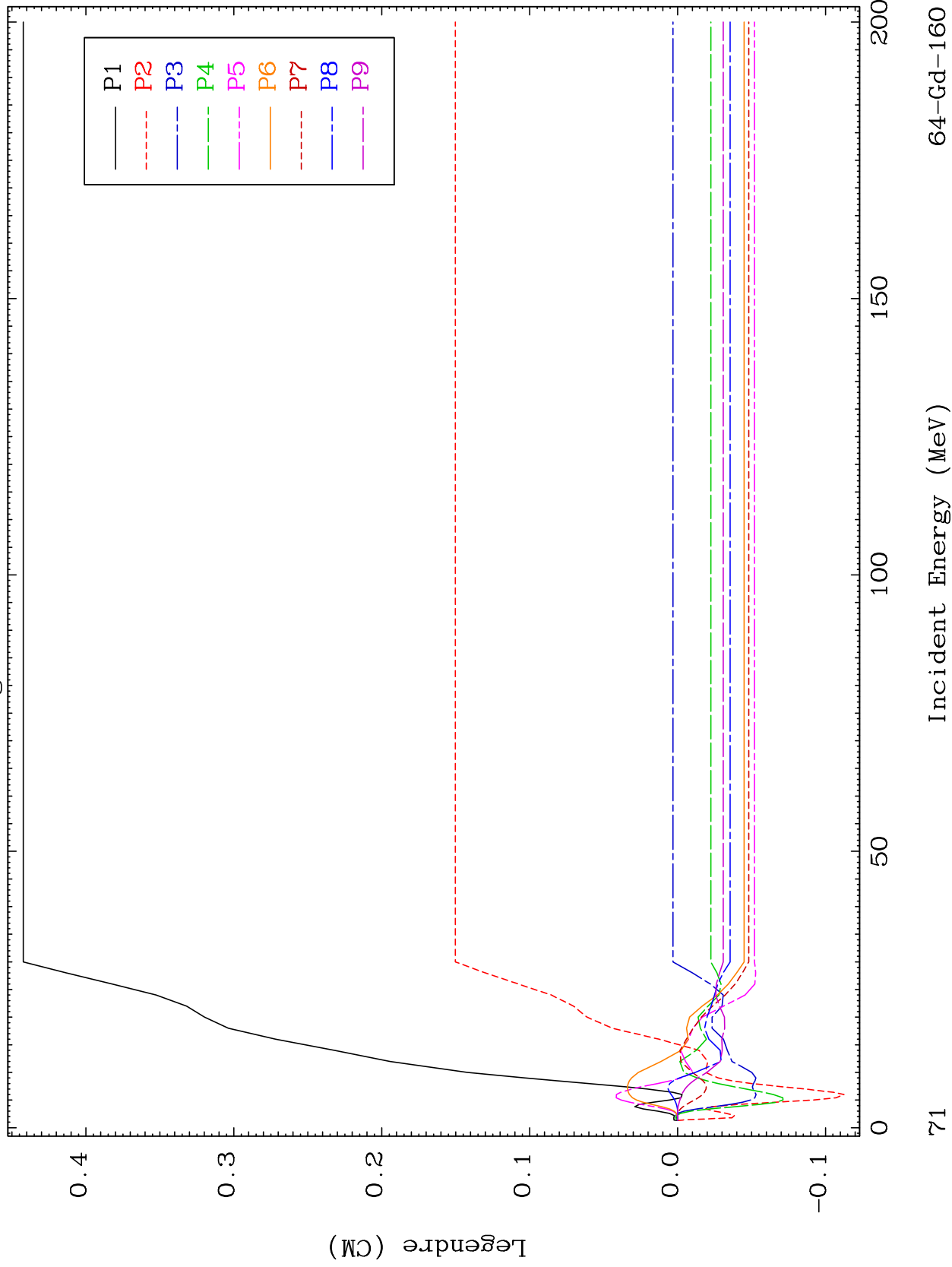
68



MAT 6449

MT= 65 (n,n') Level
Legendre Coefficients

64-Gd-160



64-Gd-160

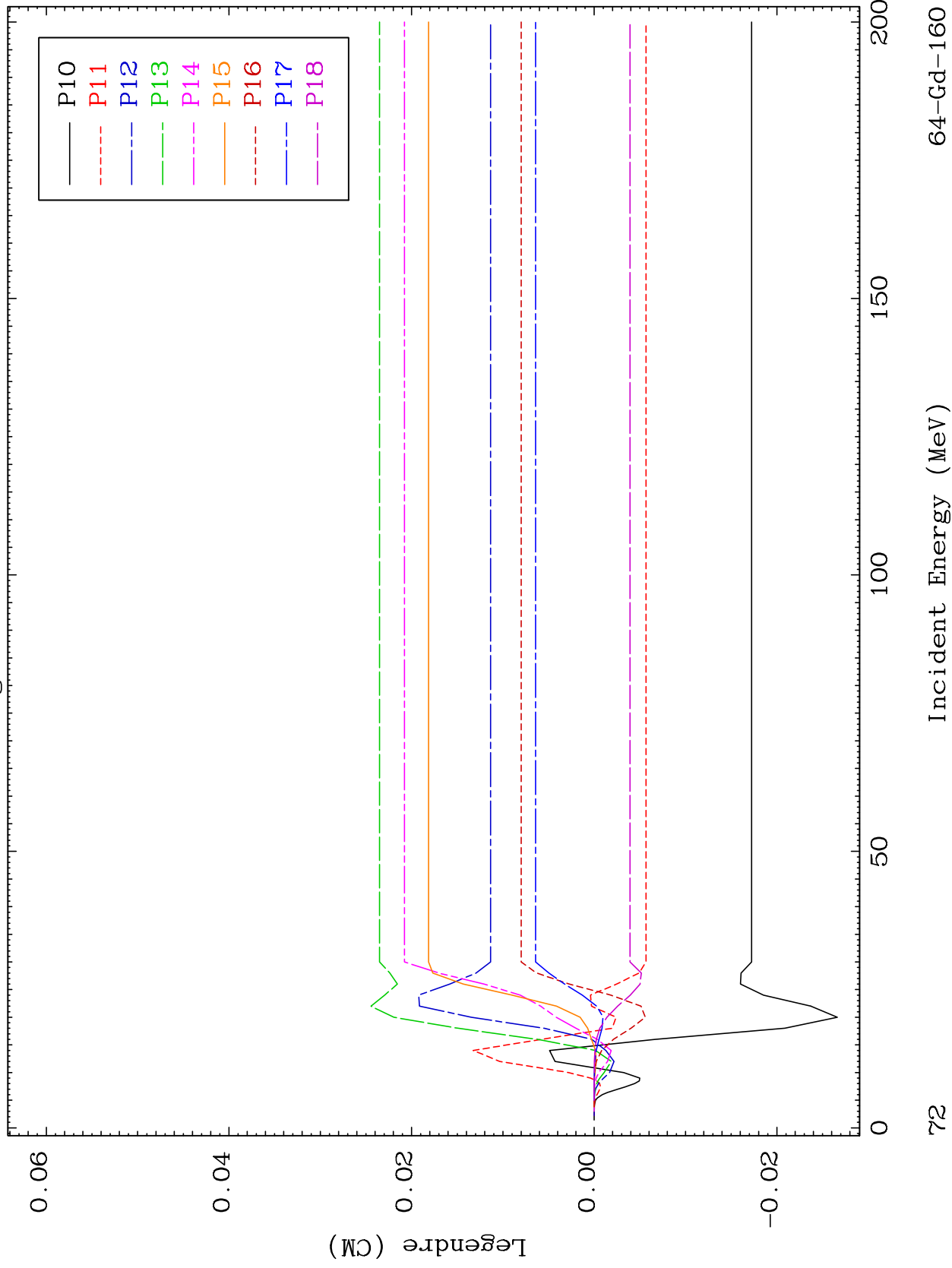
Incident Energy (MeV)

71

MAT 6449

MT= 65 (n,n') Level
Legendre Coefficients

64-Gd-160



72

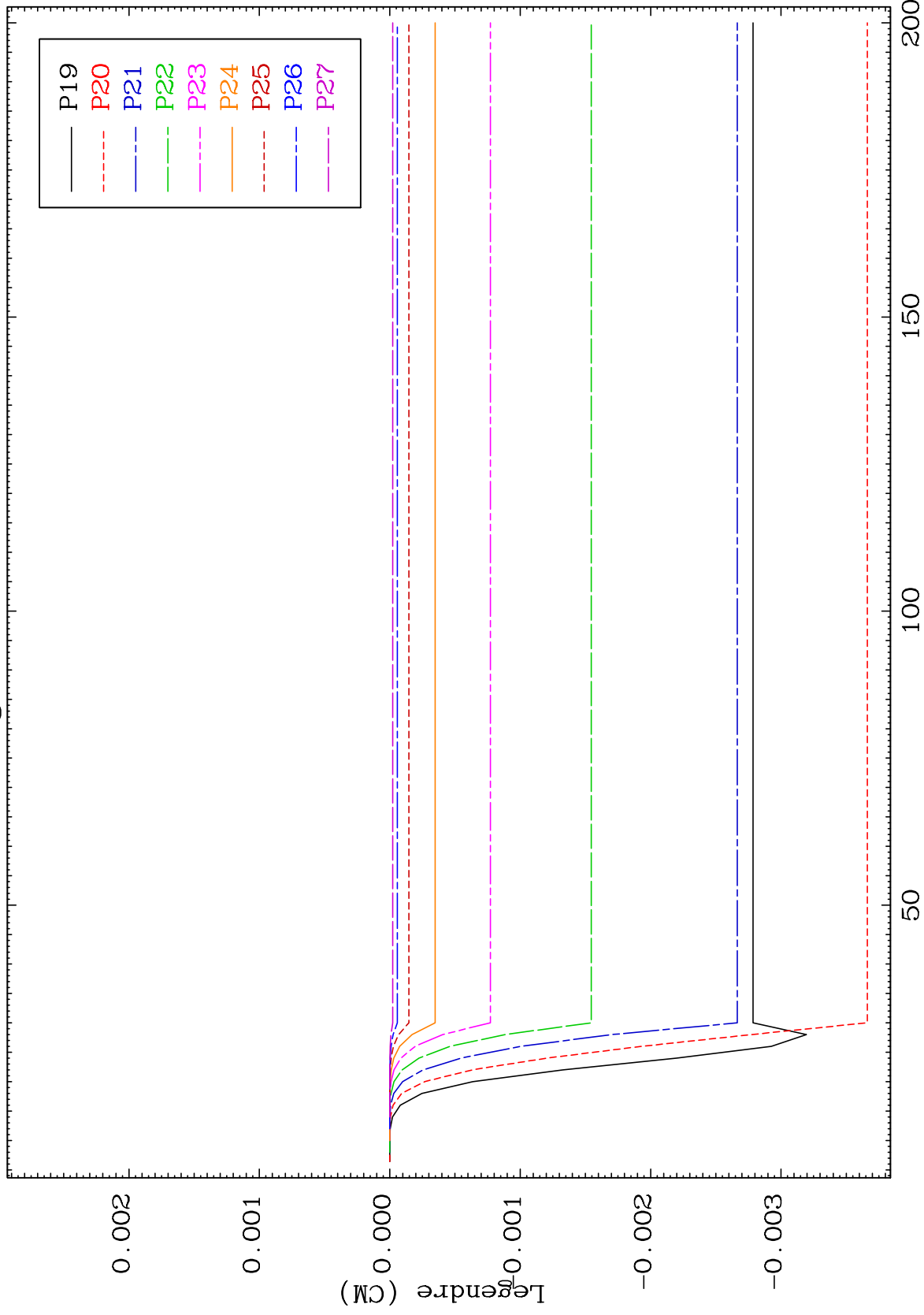
Incident Energy (MeV)

64-Gd-160

MAT 6449

MT= 65 (n,n') Level
Legendre Coefficients

64-Gd-160



73

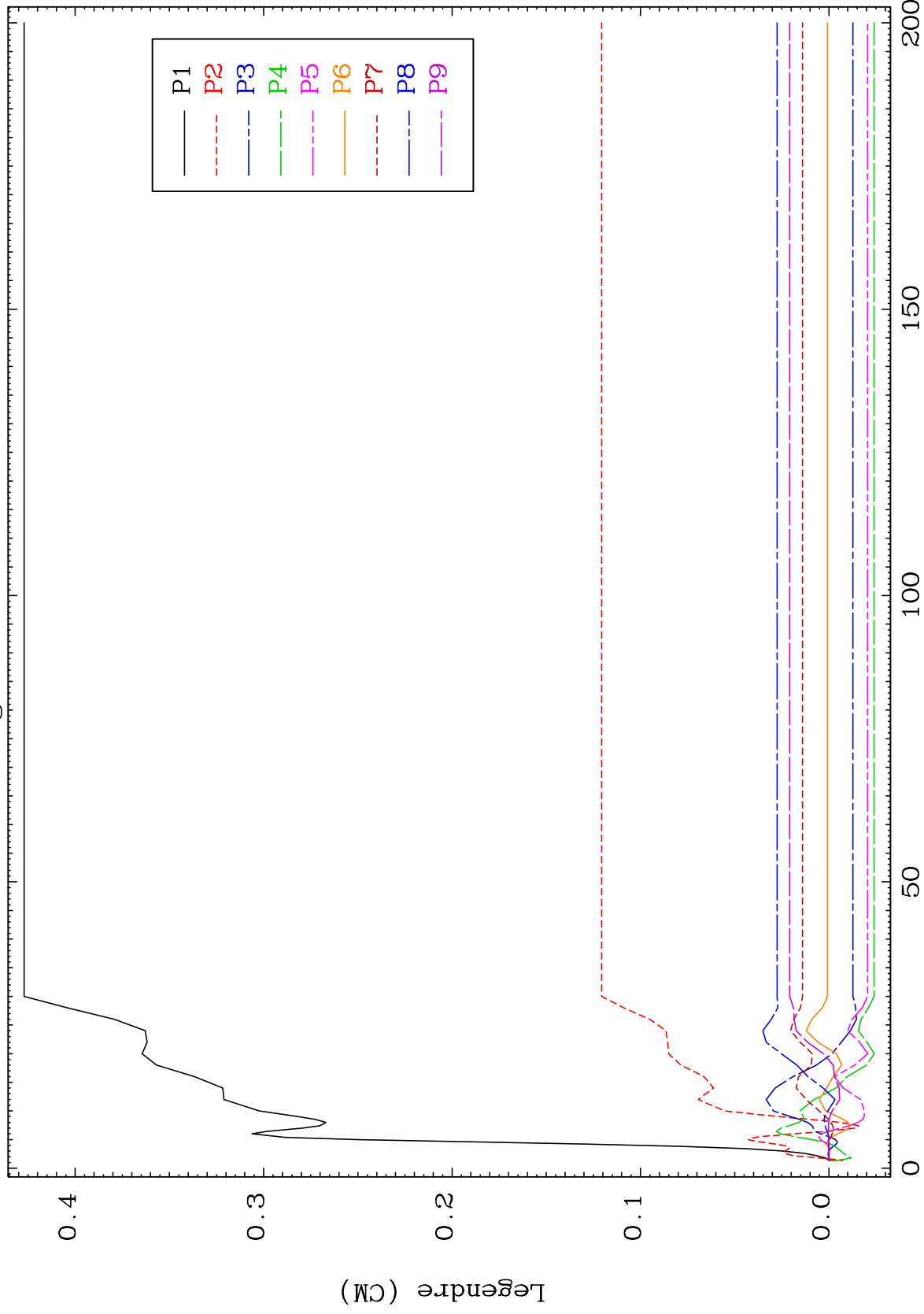
Incident Energy (MeV)

64-Gd-160

MAT 6449

MT= 66 (n,n') Level
Legendre Coefficients

64-Gd-160



75

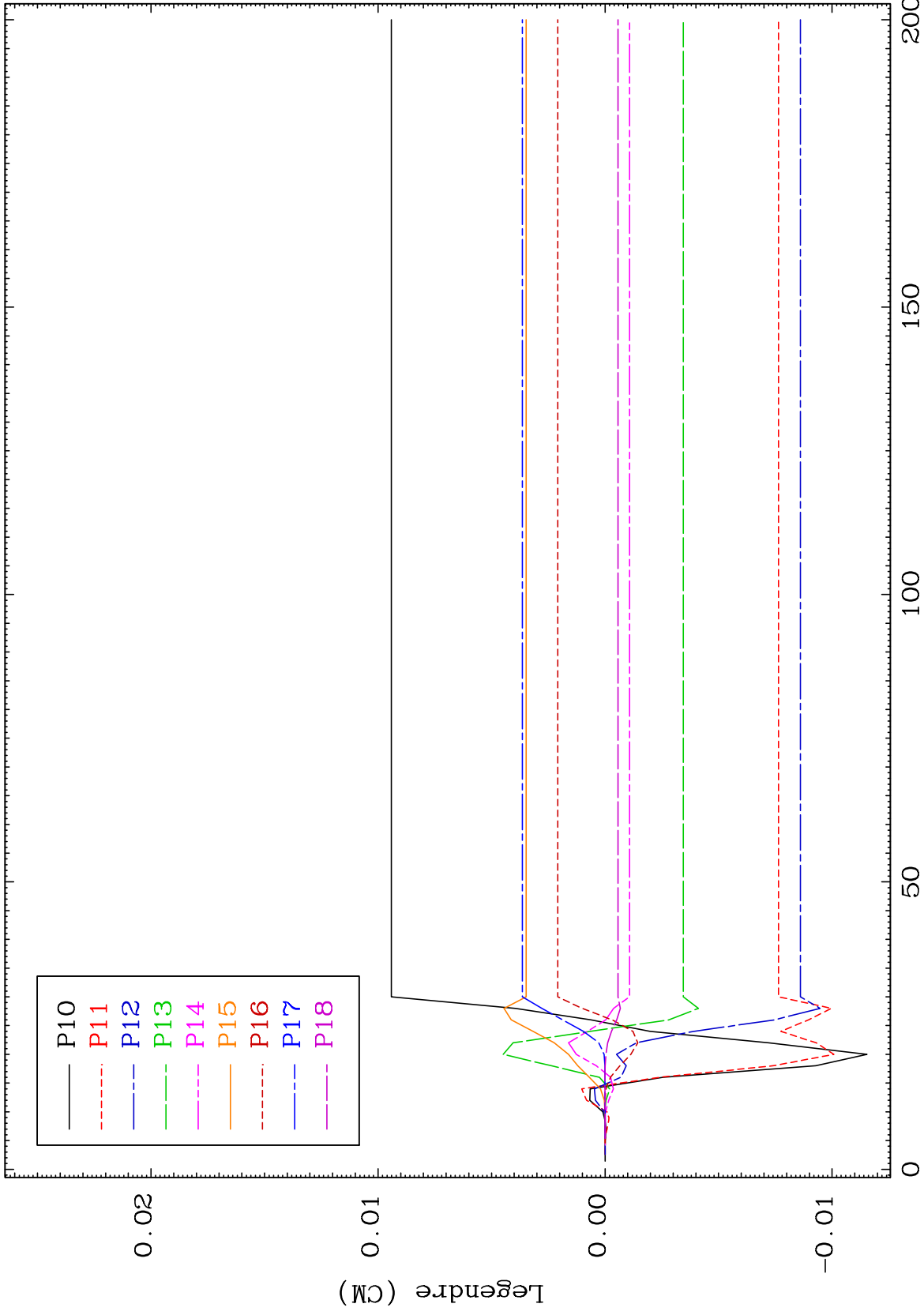
Incident Energy (MeV)

64-Gd-160

MAT 6449

MT= 66 (n,n') Level
Legendre Coefficients

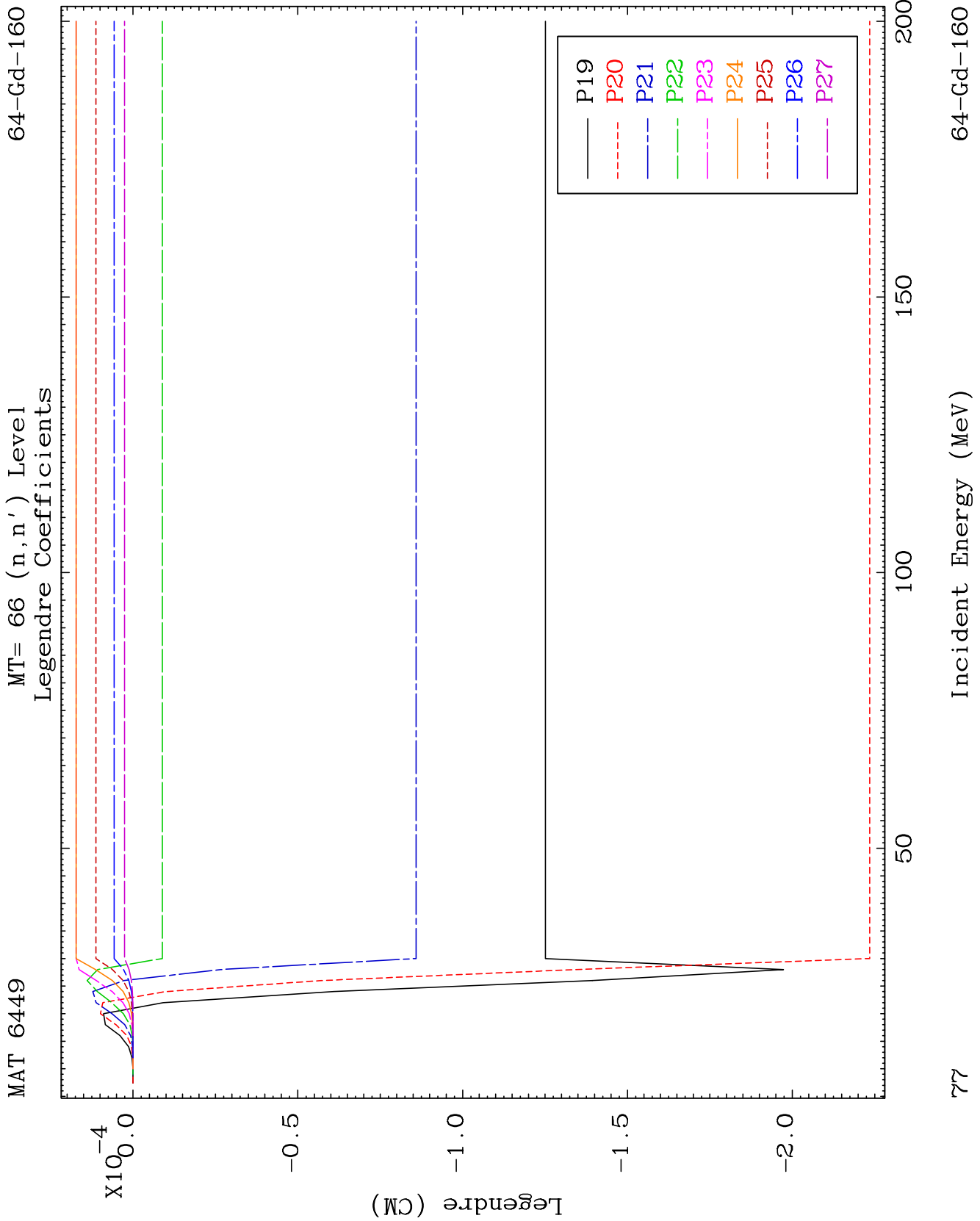
64-Gd-160



76

Incident Energy (MeV)

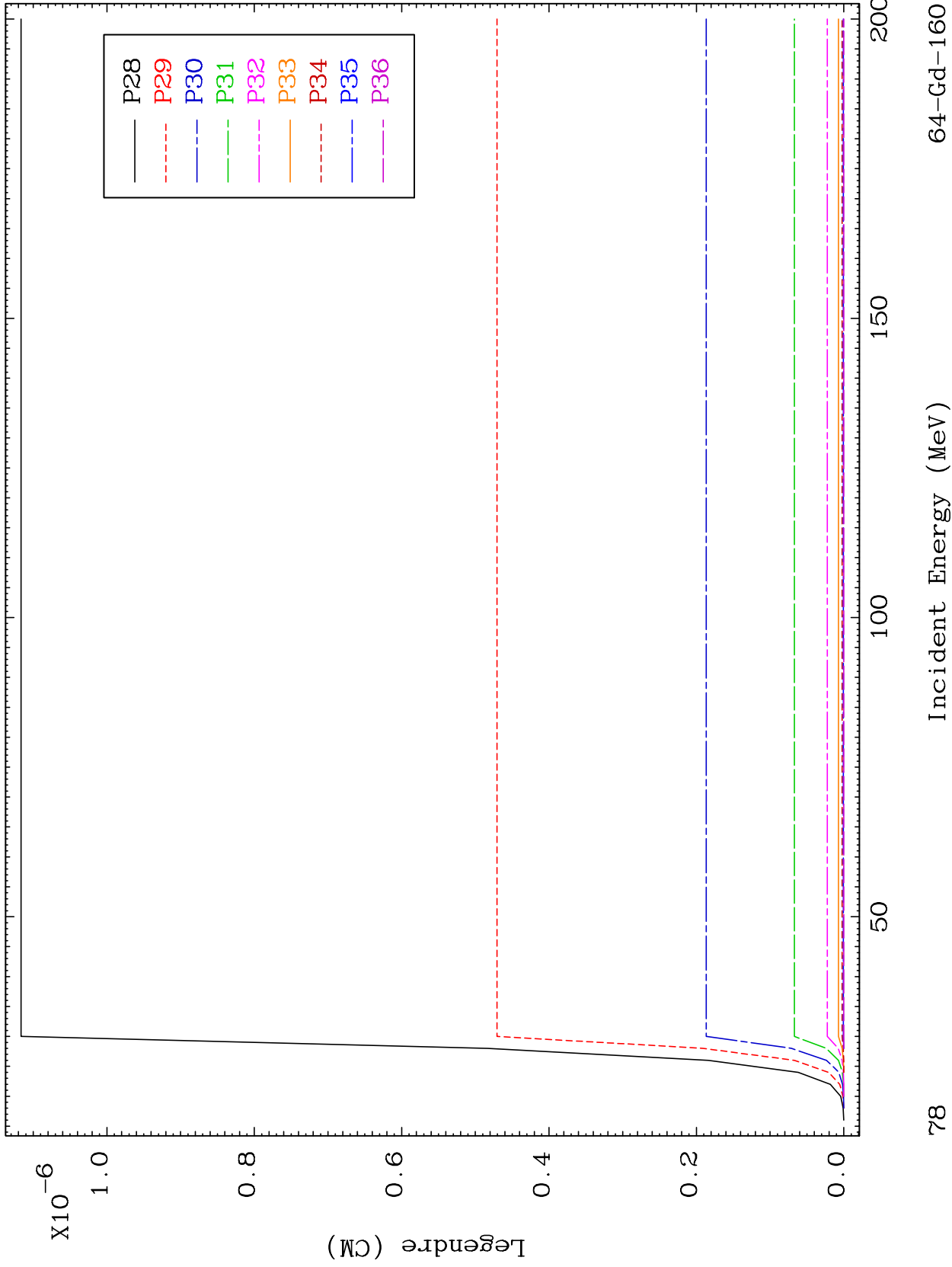
64-Gd-160



MAT 6449

MT= 66 (n,n') Level
Legendre Coefficients

64-Gd-160



78

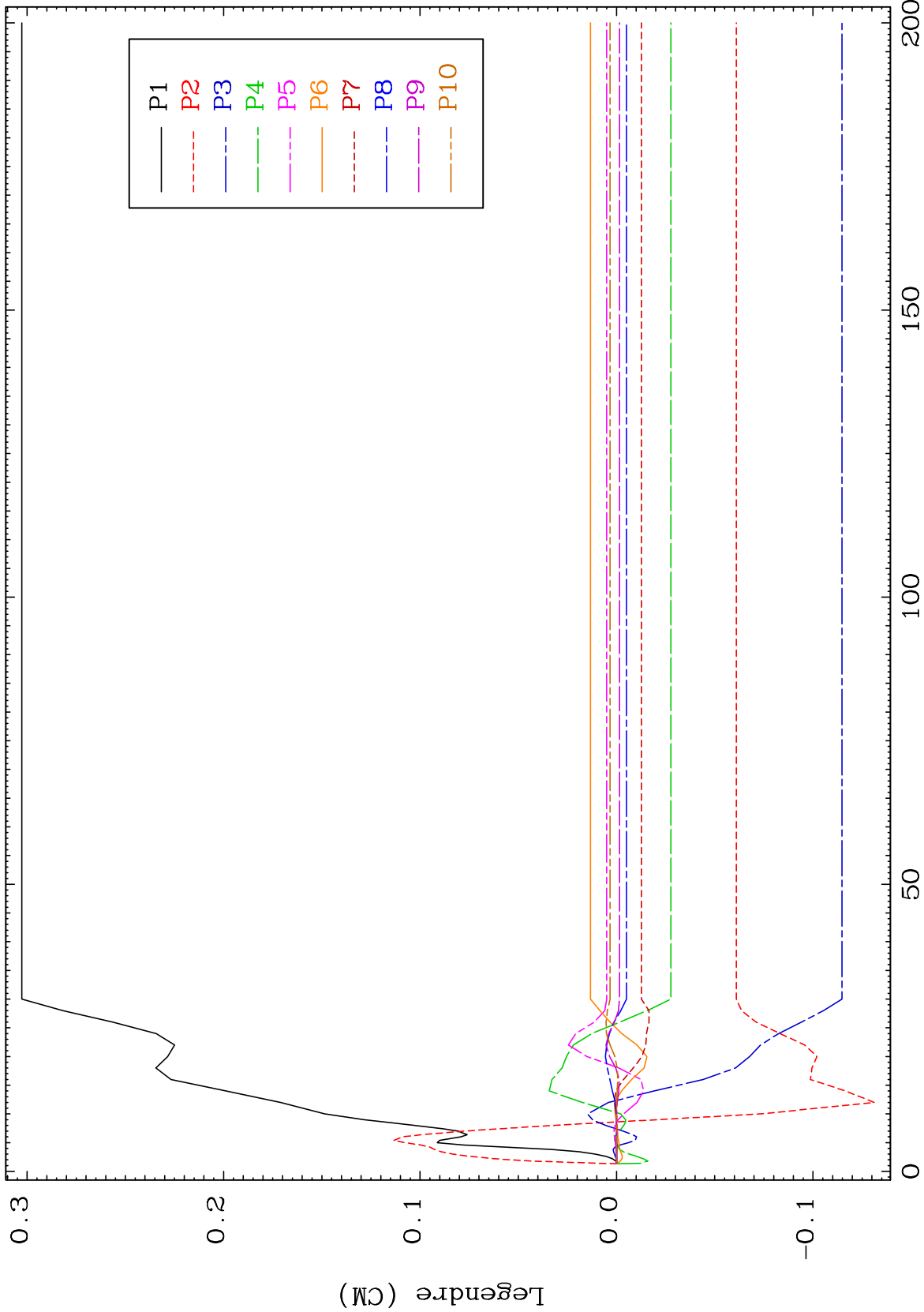
Incident Energy (MeV)

64-Gd-160

MAT 6449

MT= 67 (n,n') Level
Legendre Coefficients

64-Gd-160



79

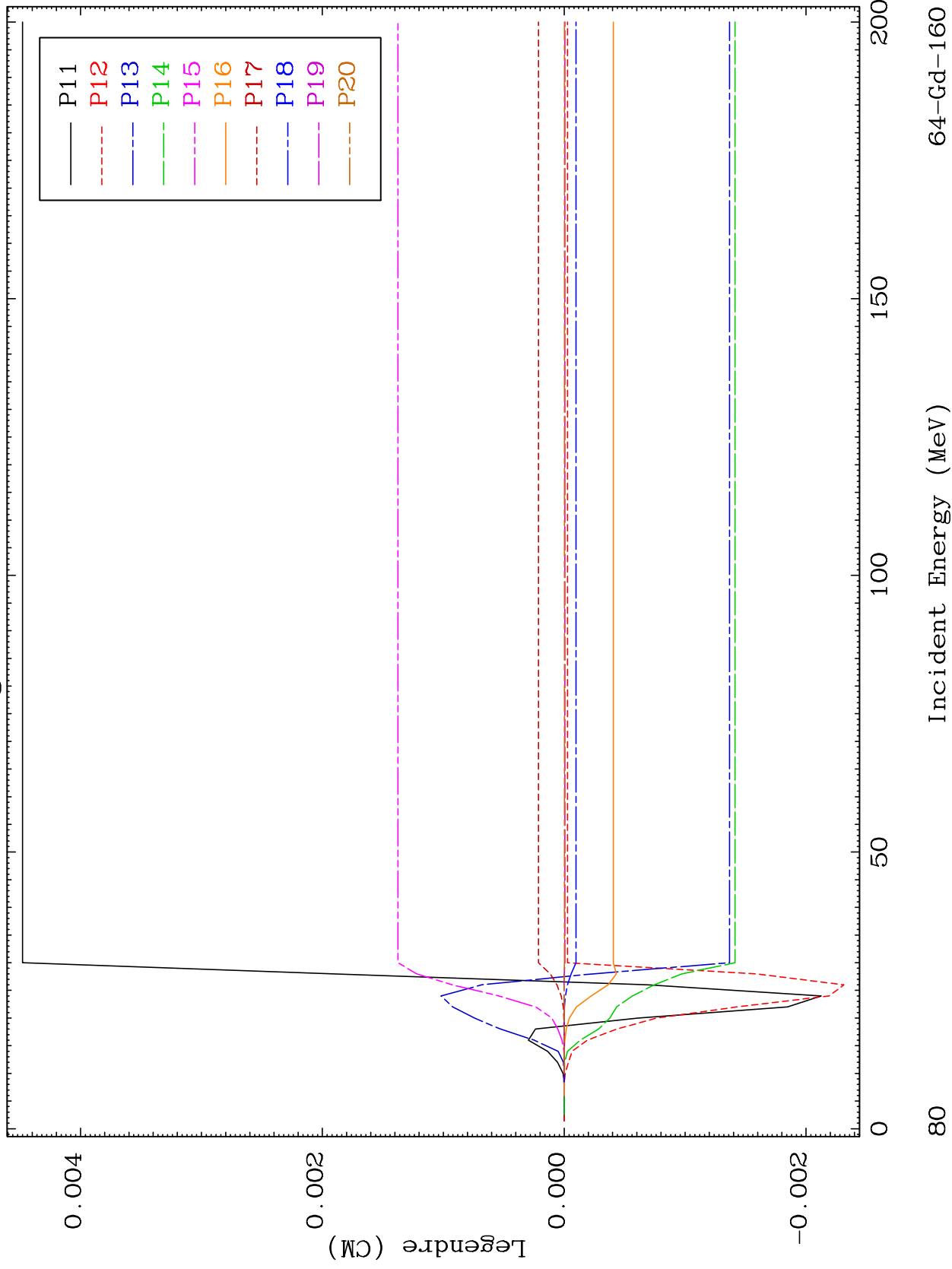
Incident Energy (MeV)

64-Gd-160

MAT 6449

MT= 67 (n,n') Level
Legendre Coefficients

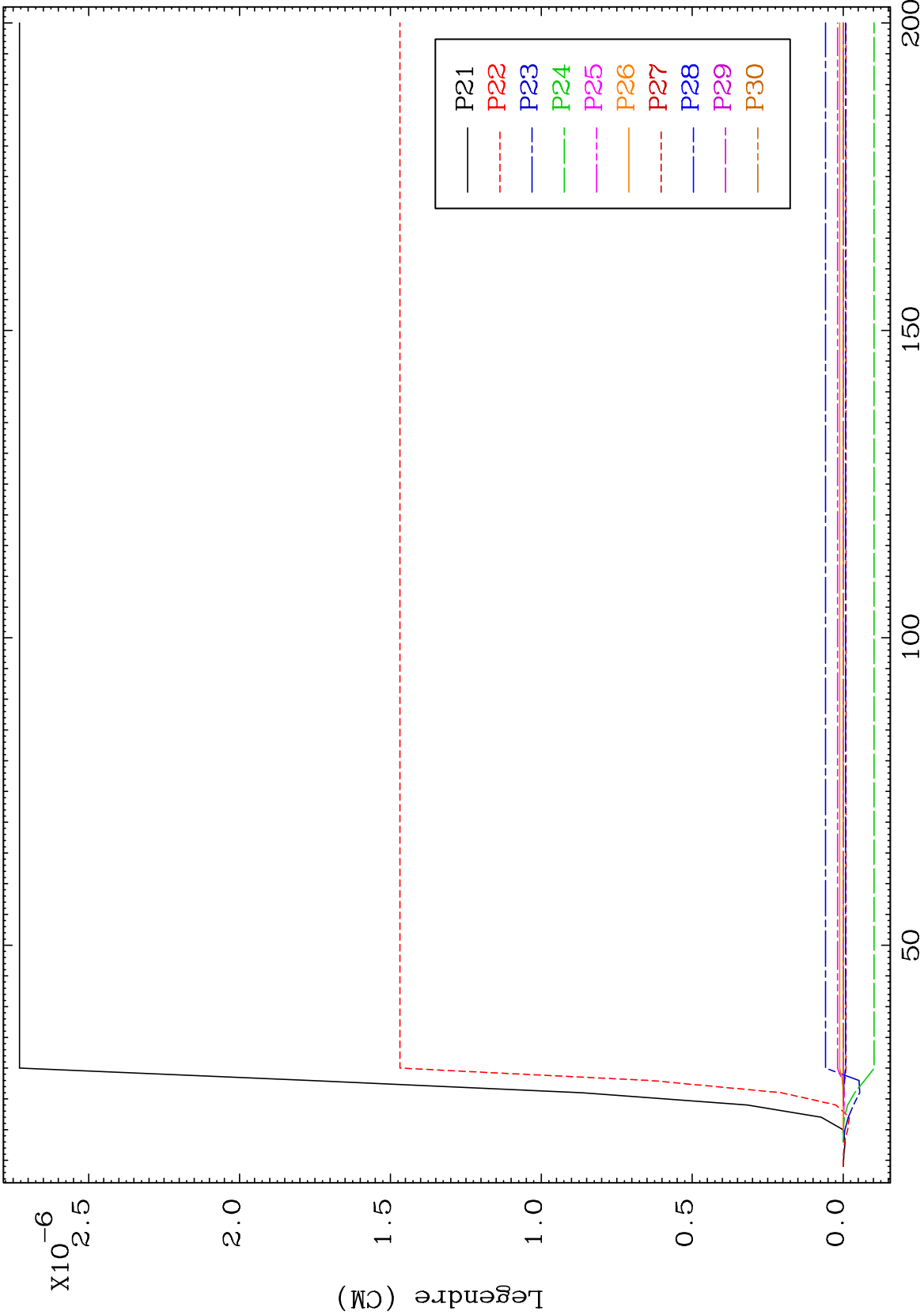
64-Gd-160



MAT 6449

MT= 67 (n,n') Level
Legendre Coefficients

64-Gd-160



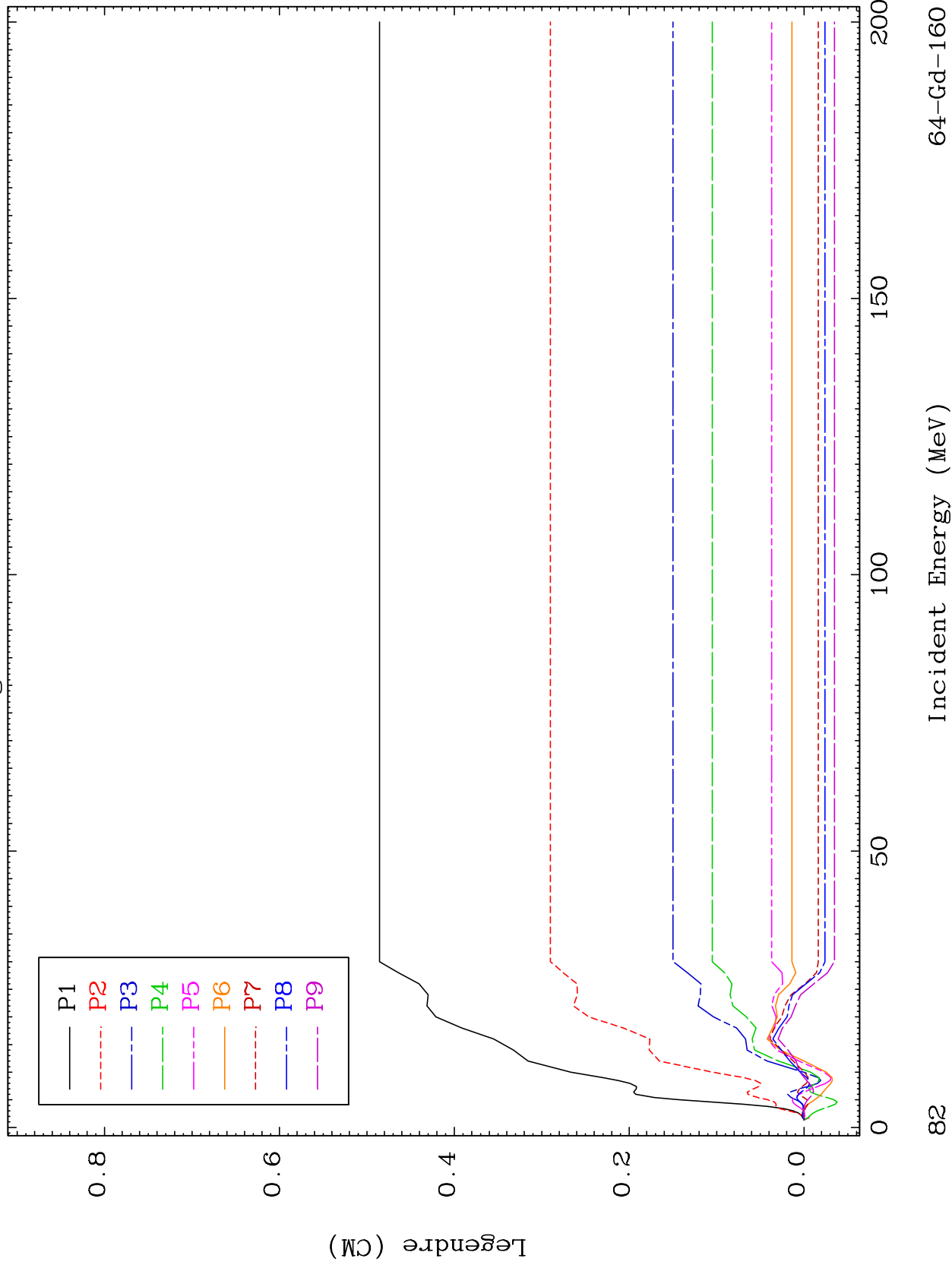
81

64-Gd-160

MAT 6449

MT= 68 (n,n') Level
Legendre Coefficients

64-Gd-160



64-Gd-160

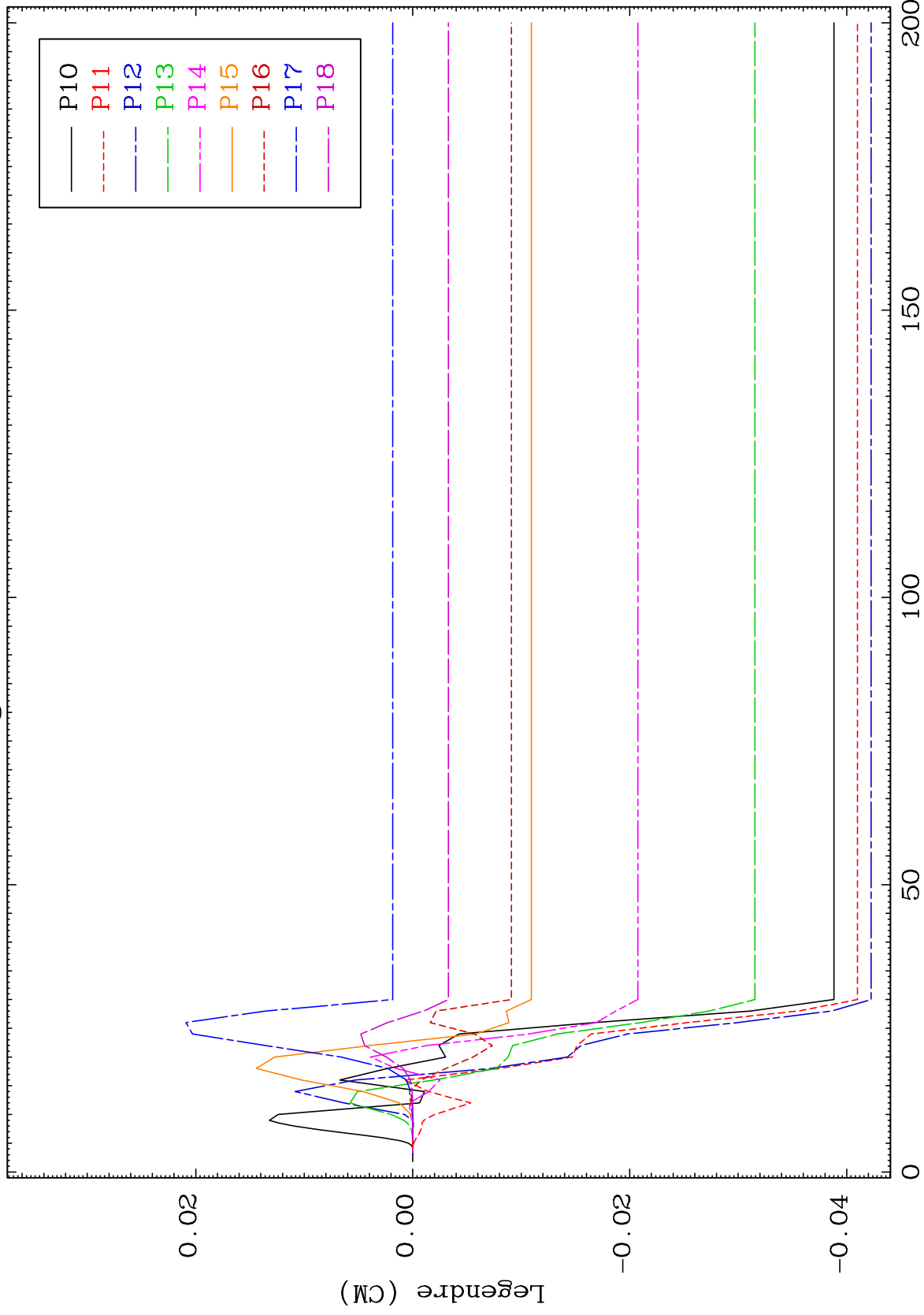
Incident Energy (MeV)

82

MAT 6449

MT= 68 (n,n') Level
Legendre Coefficients

64-Gd-160



83

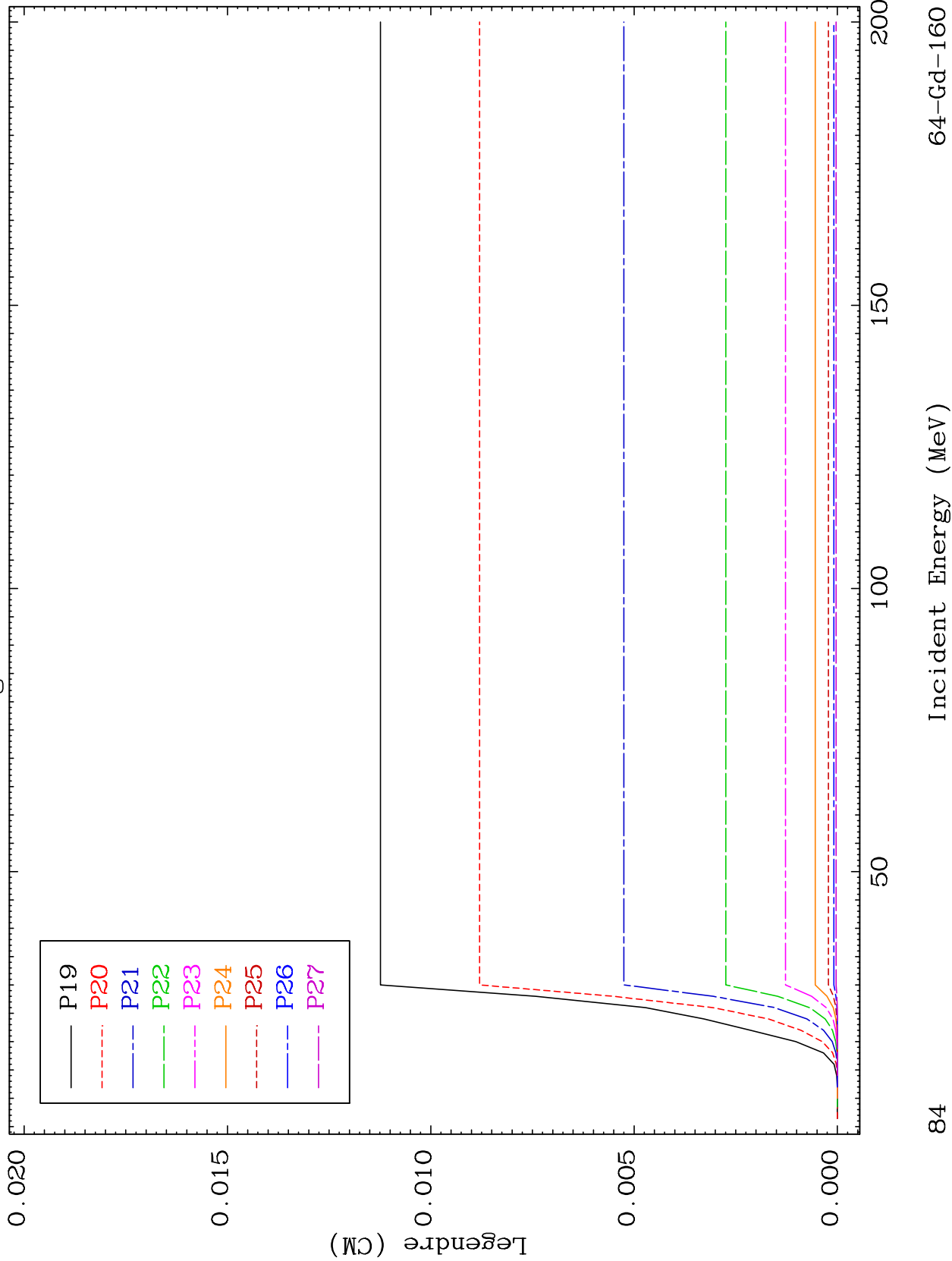
Incident Energy (MeV)

64-Gd-160

MAT 6449

MT= 68 (n,n') Level
Legendre Coefficients

64-Gd-160



84

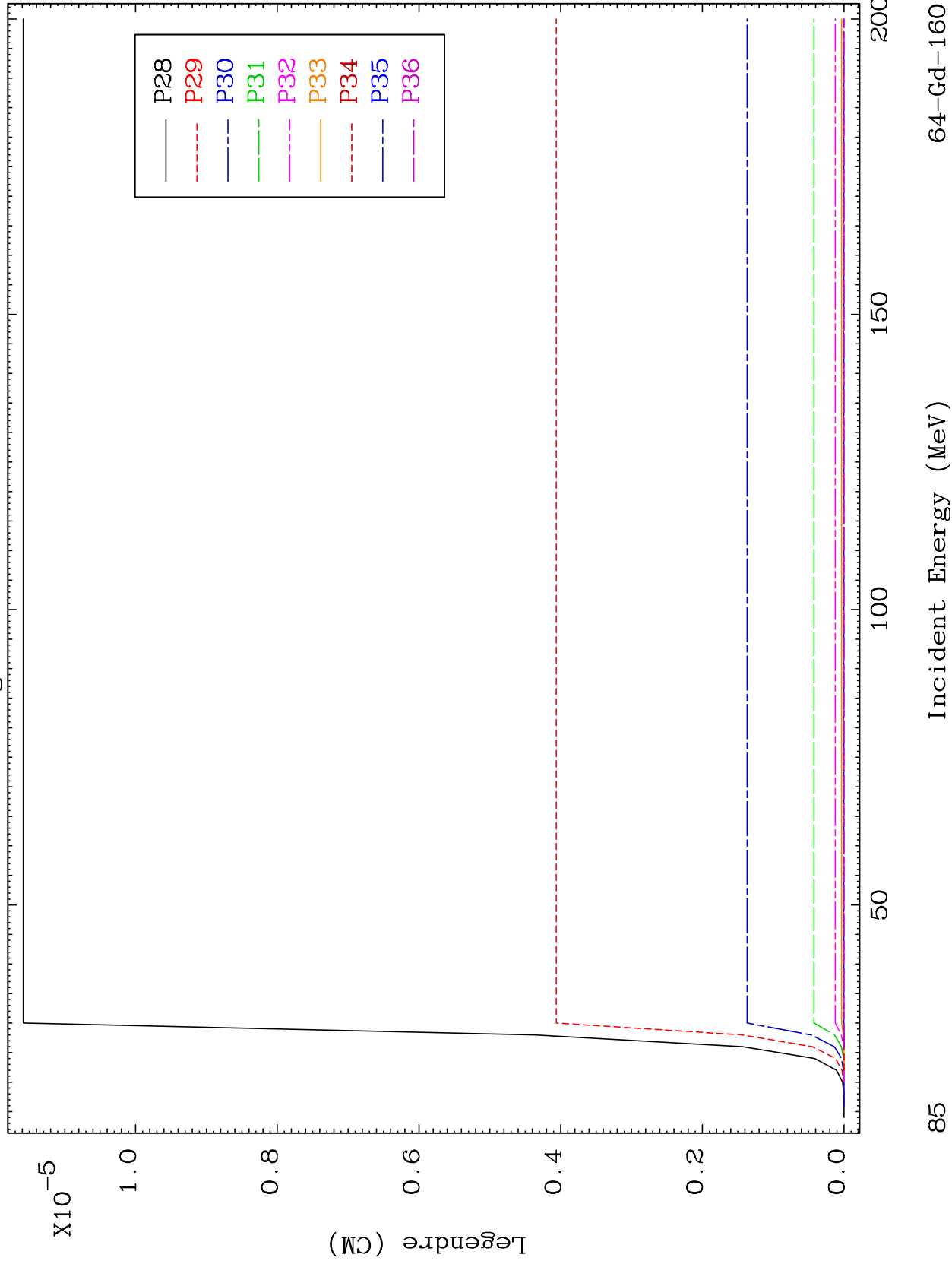
Incident Energy (MeV)

64-Gd-160

MAT 6449

MT= 68 (n,n') Level
Legendre Coefficients

64-Gd-160

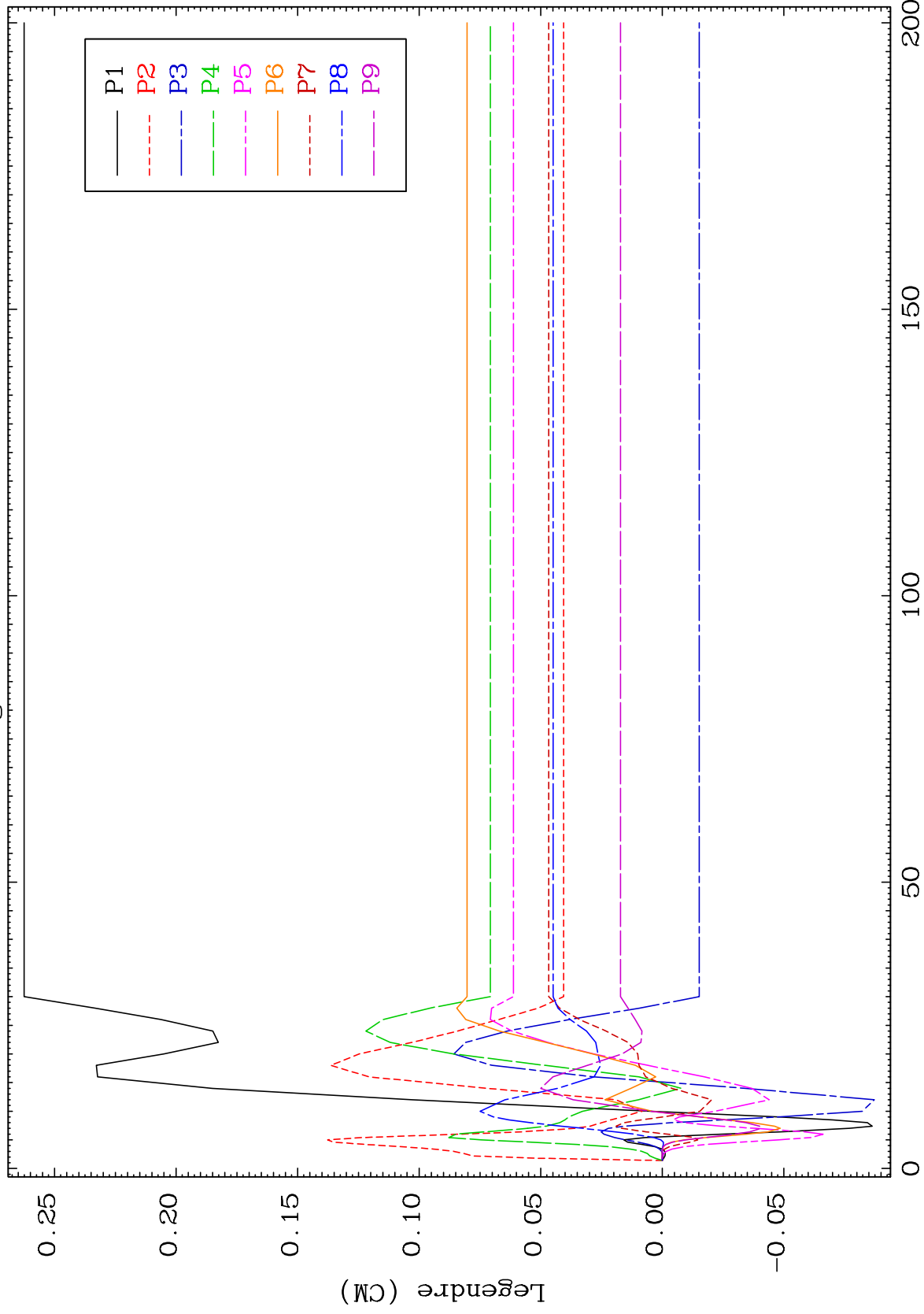


85

MAT 6449

MT= 69 (n,n') Level
Legendre Coefficients

64-Gd-160



86

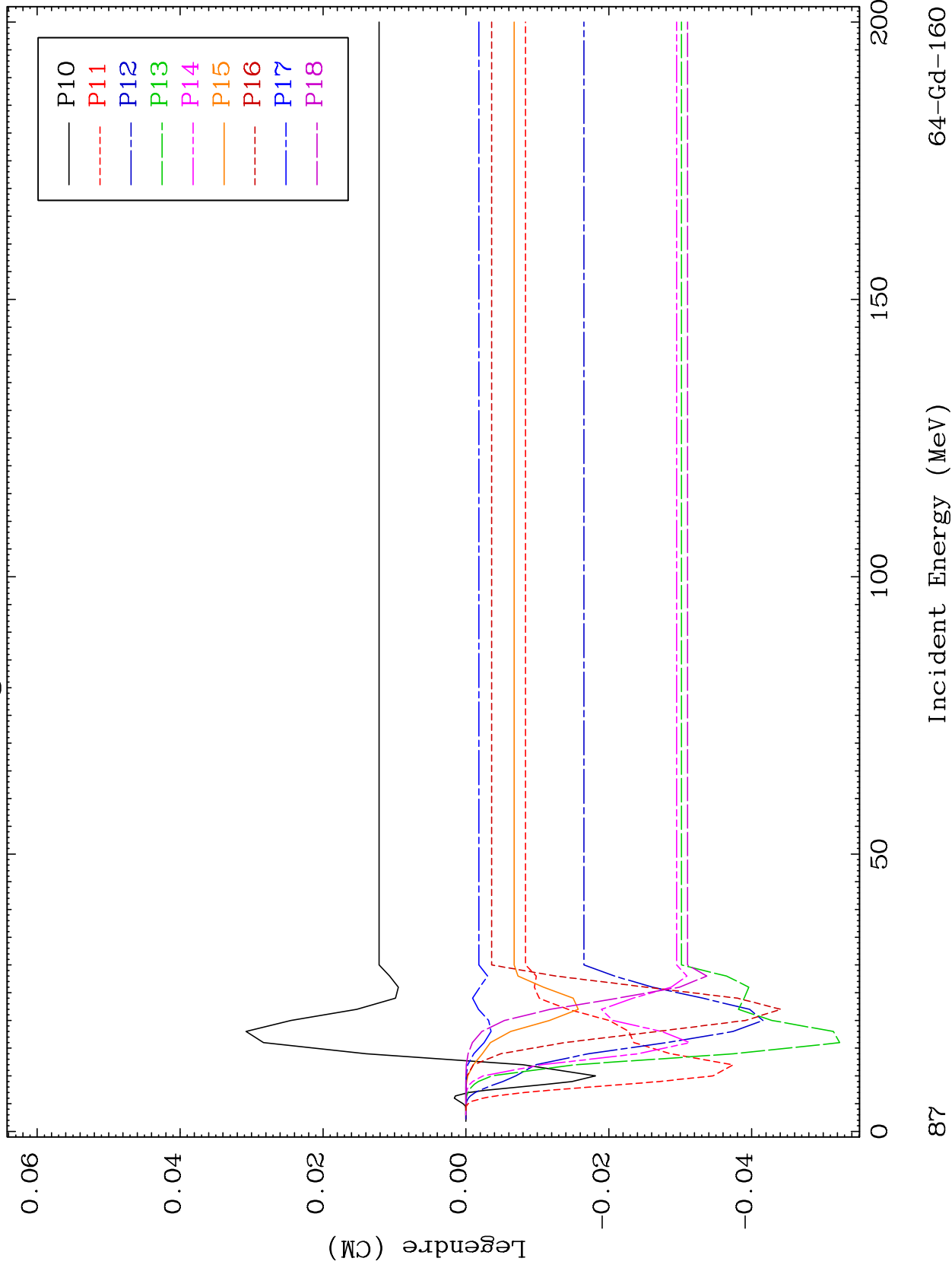
Incident Energy (MeV)

64-Gd-160

MAT 6449

MT= 69 (n,n') Level
Legendre Coefficients

64-Gd-160



87

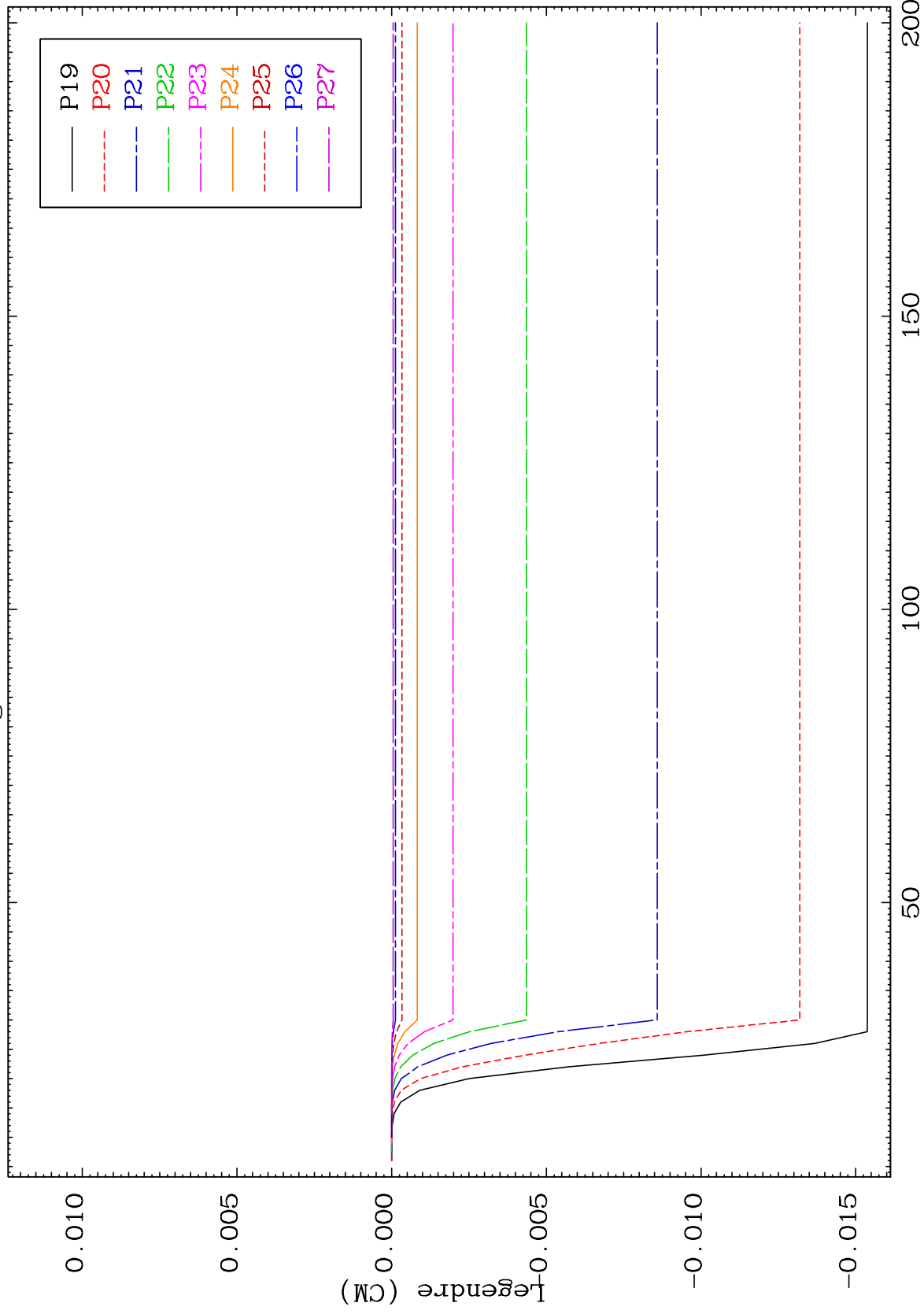
Incident Energy (MeV)

64-Gd-160

MAT 6449

MT= 69 (n,n') Level
Legendre Coefficients

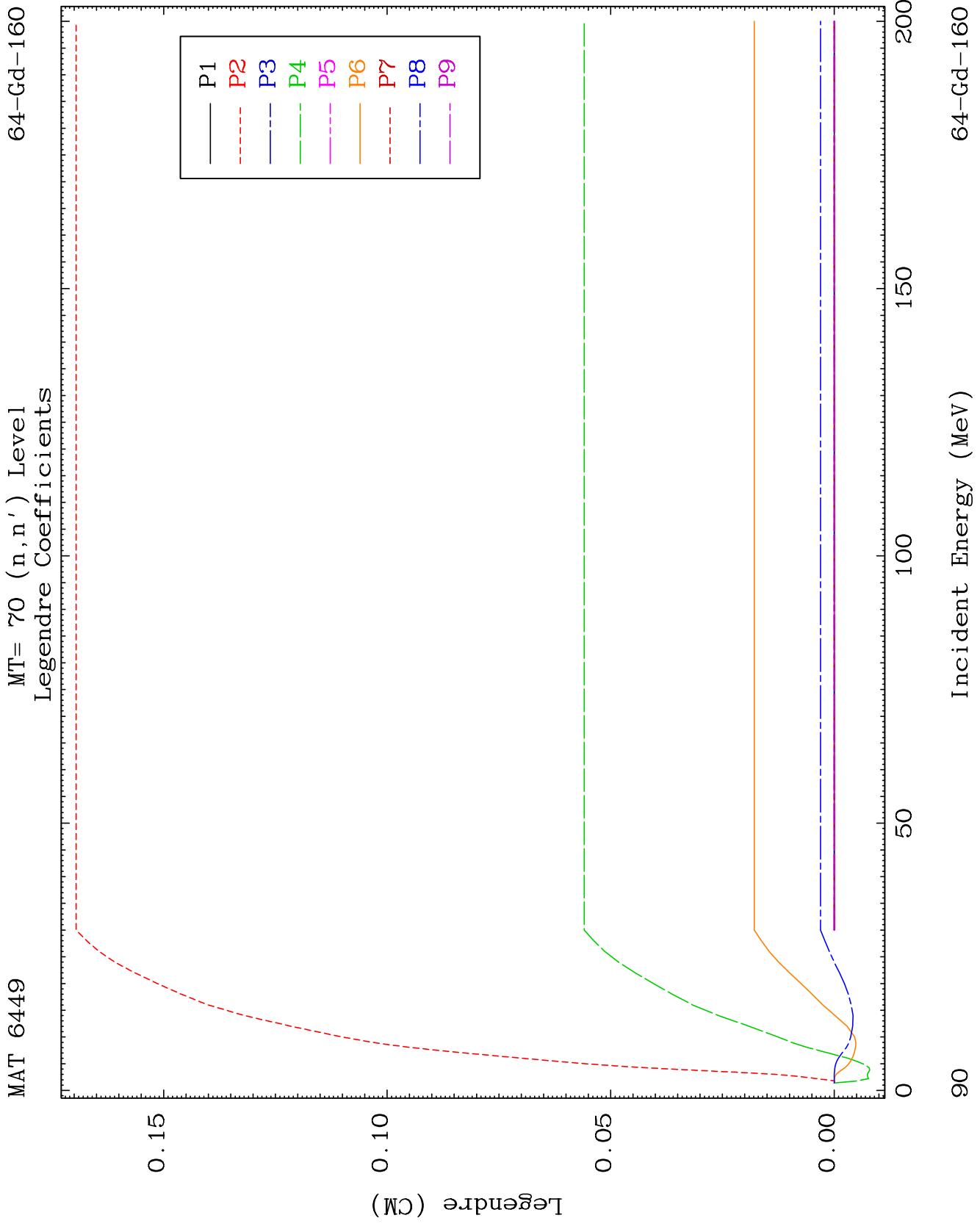
64-Gd-160



88

Incident Energy (MeV)

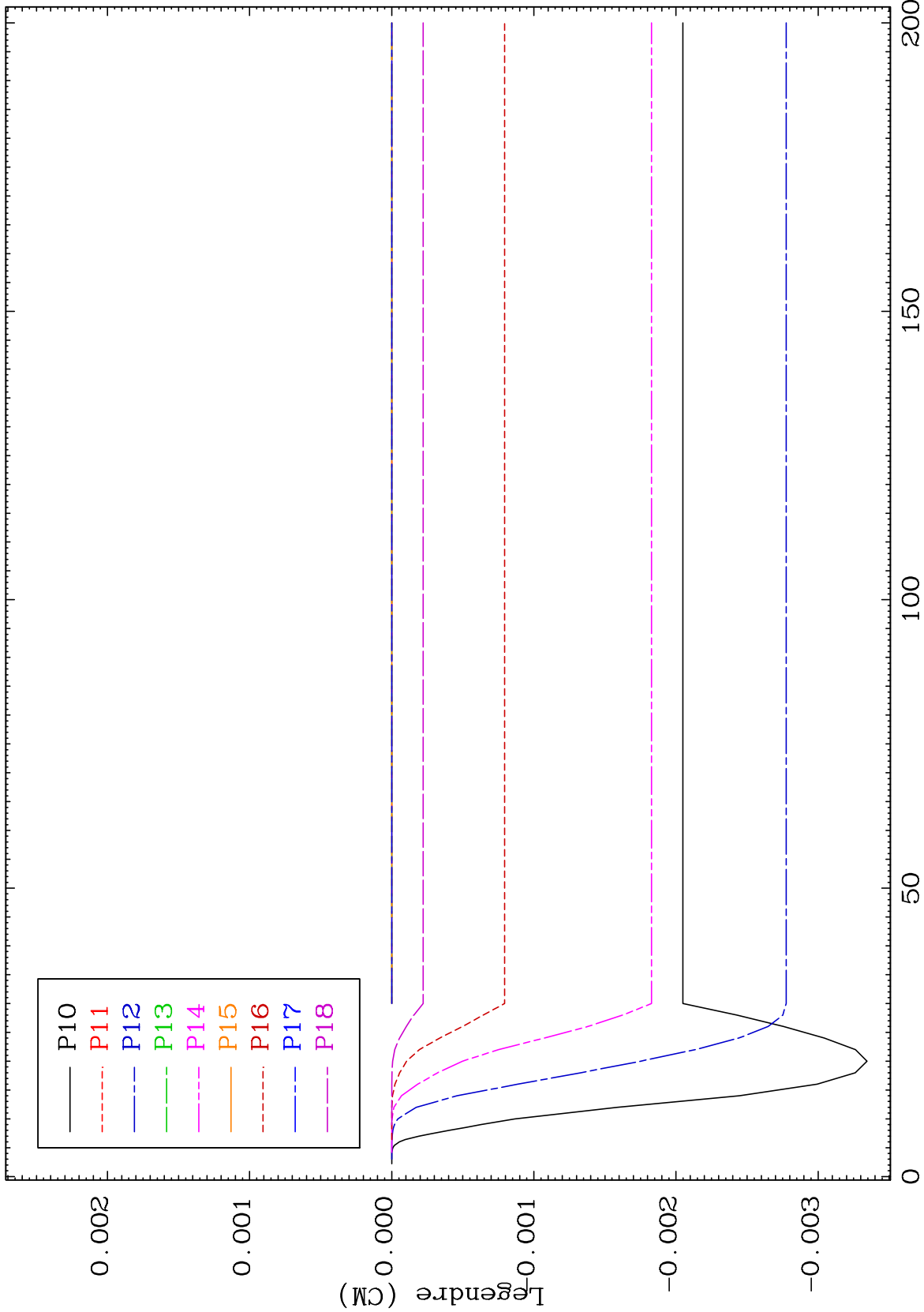
64-Gd-160



MAT 6449

MT= 70 (n,n') Level
Legendre Coefficients

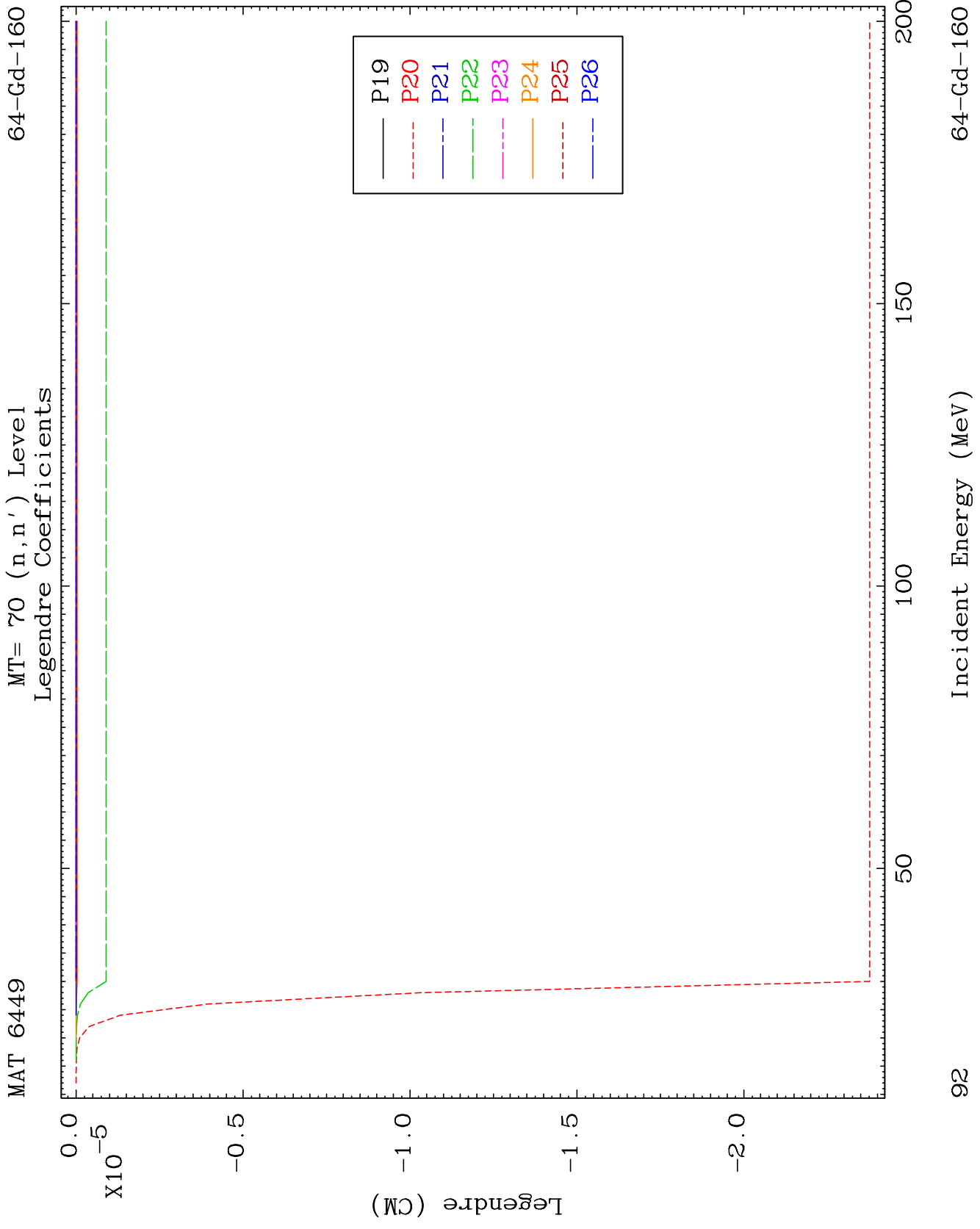
64-Gd-160

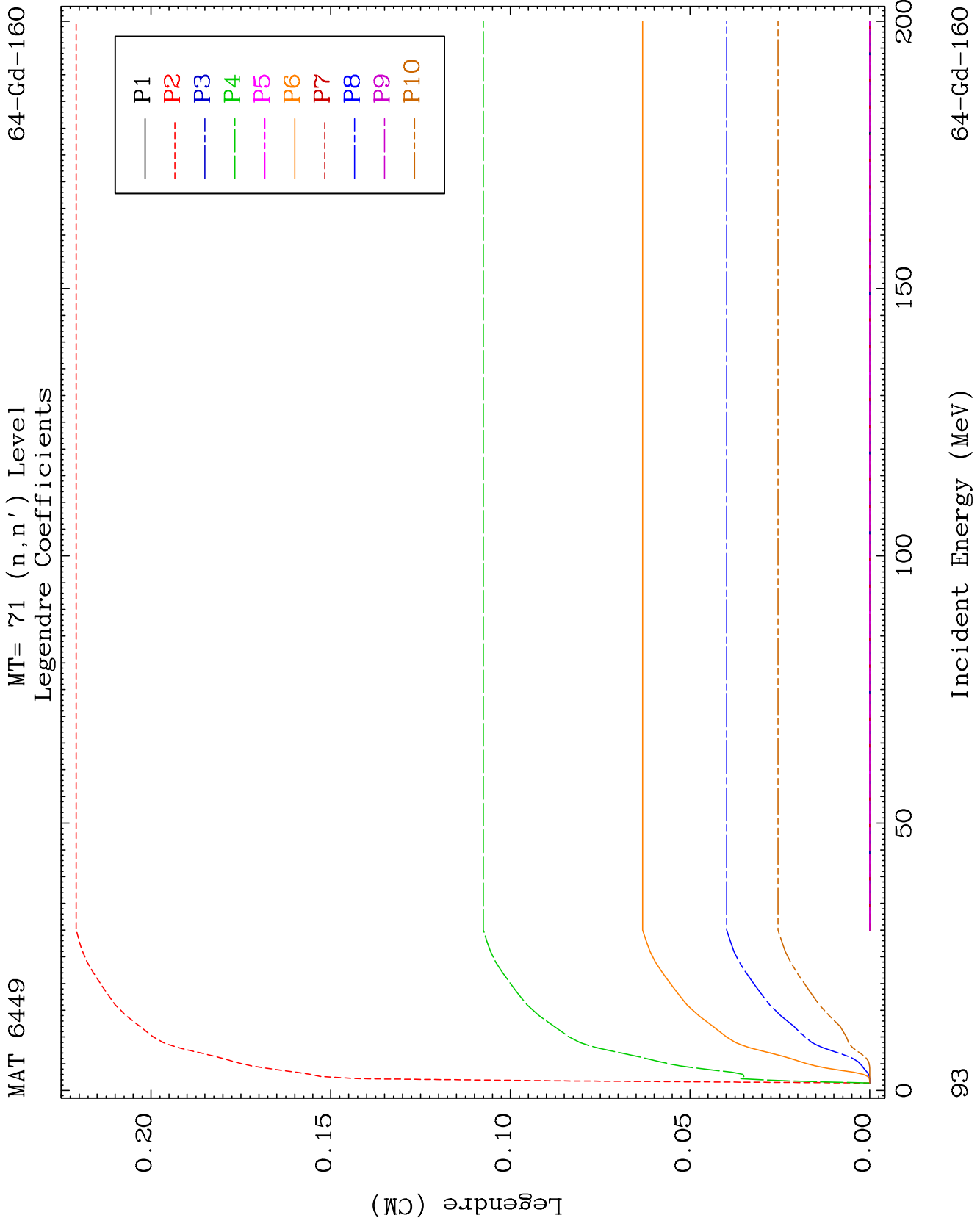


91

Incident Energy (MeV)

64-Gd-160

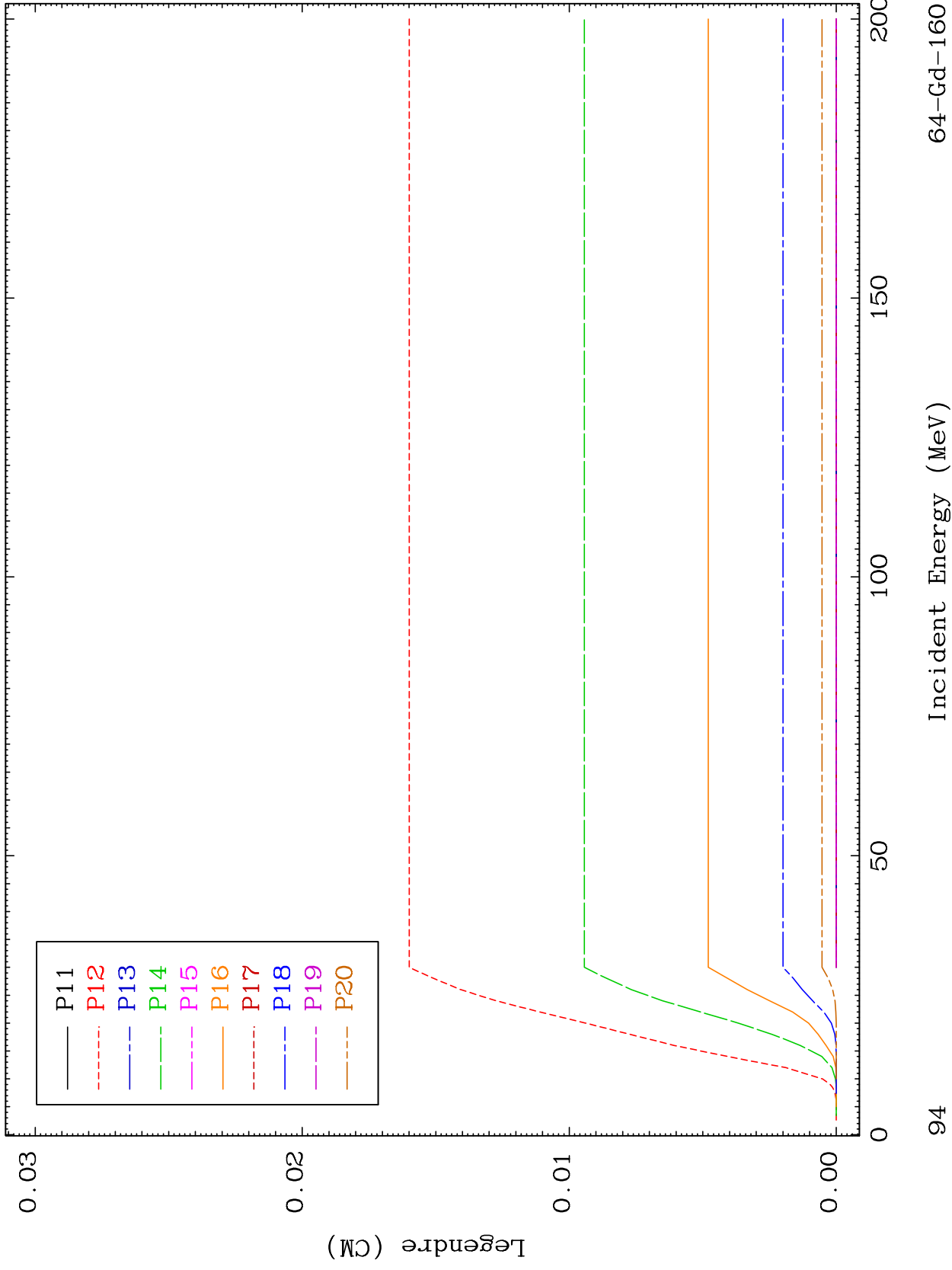




MAT 6449

MT= 71 (n,n') Level
Legendre Coefficients

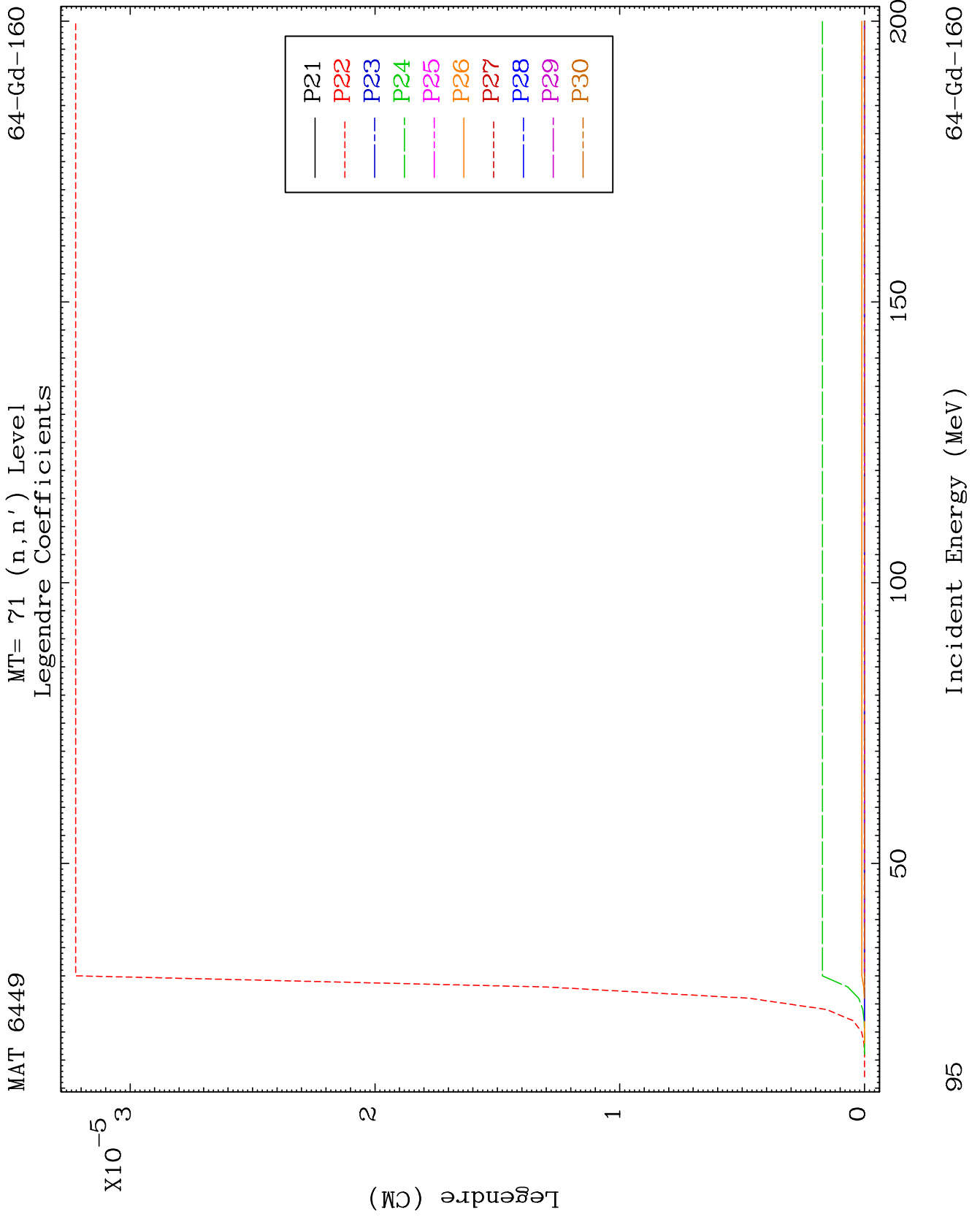
64-Gd-160



94

Incident Energy (MeV)

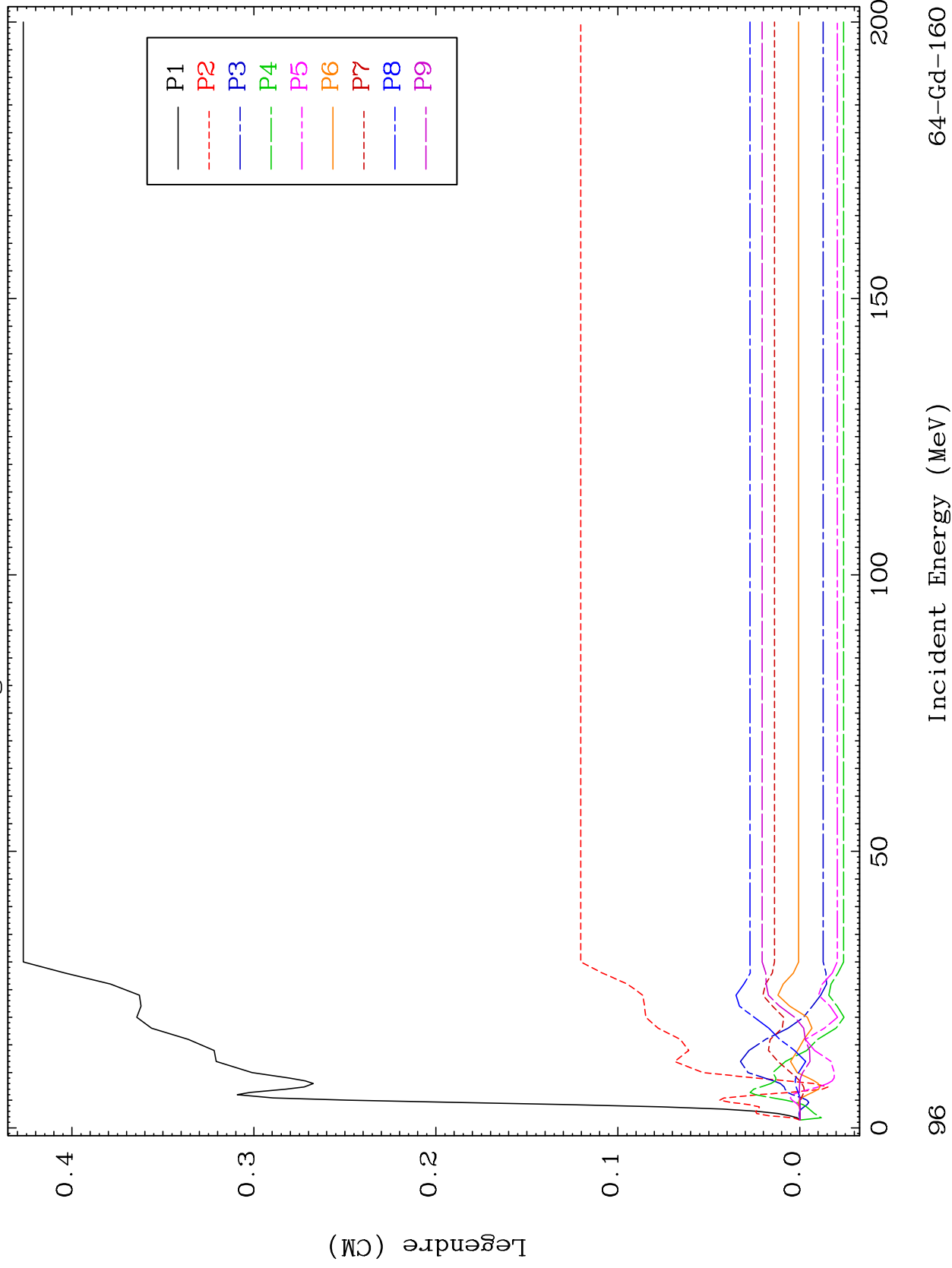
64-Gd-160



MAT 6449

MT= 72 (n,n') Level
Legendre Coefficients

64-Gd-160



64-Gd-160

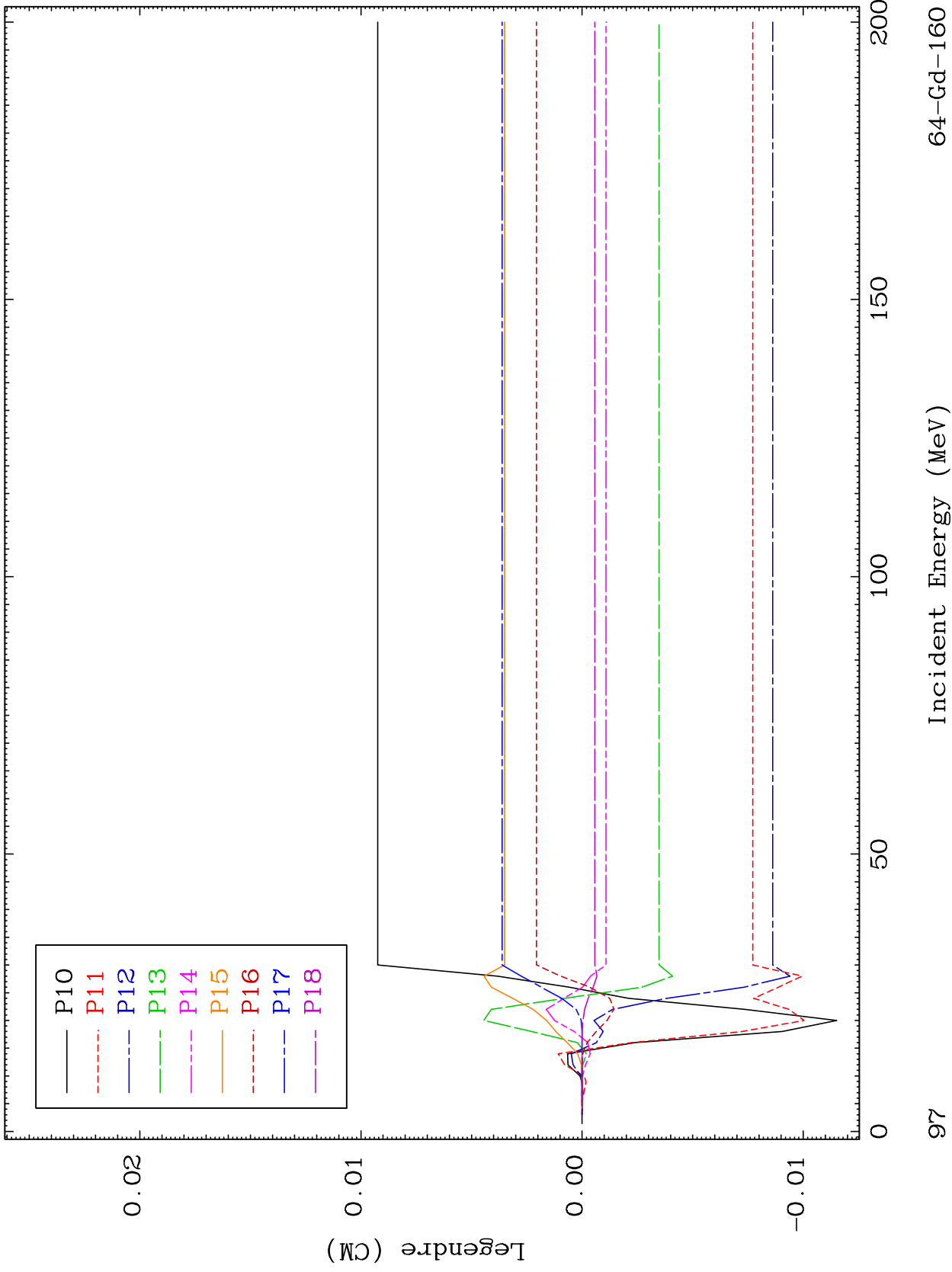
Incident Energy (MeV)

96

MAT 6449

MT= 72 (n,n') Level
Legendre Coefficients

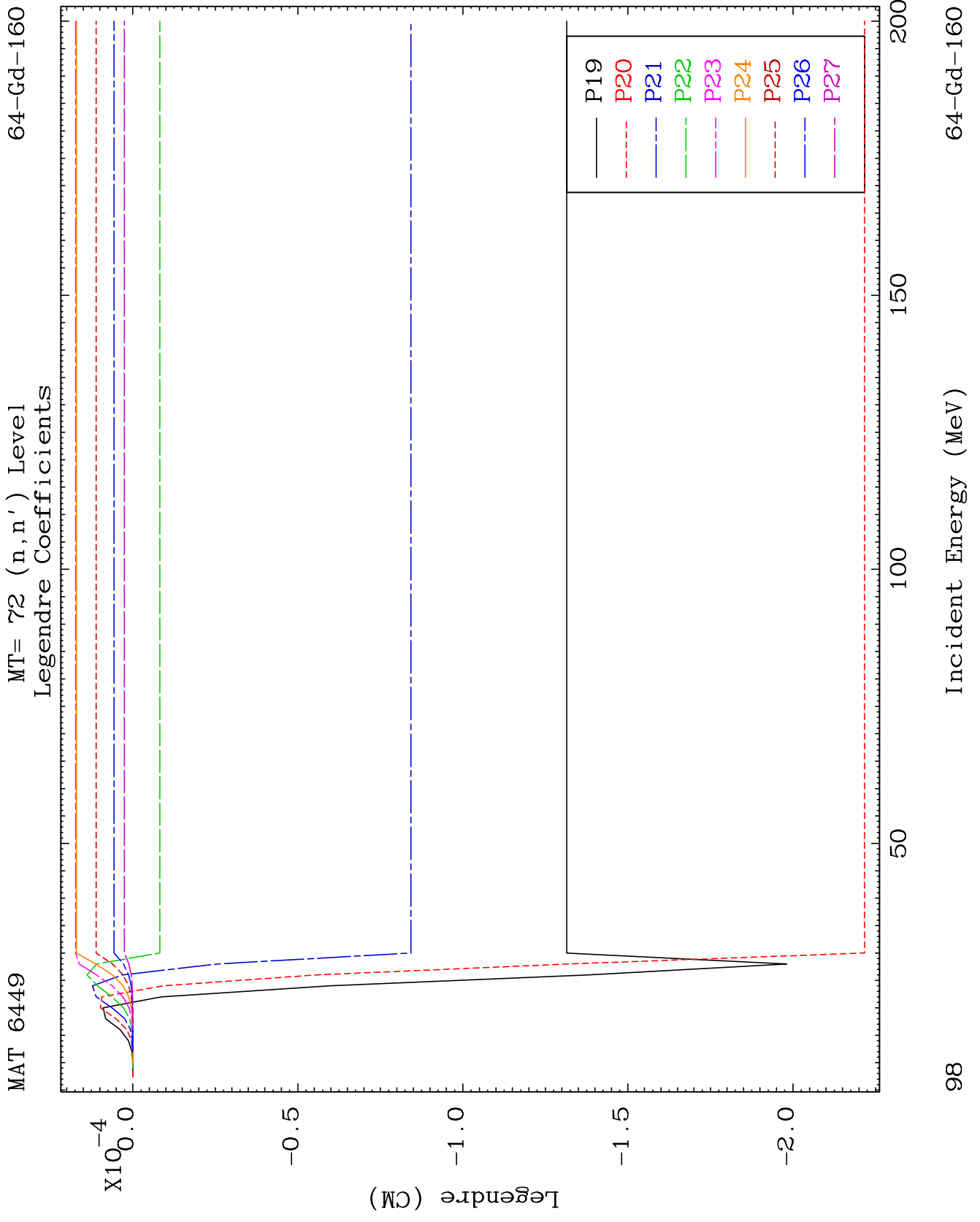
64-Gd-160



97

Incident Energy (MeV)

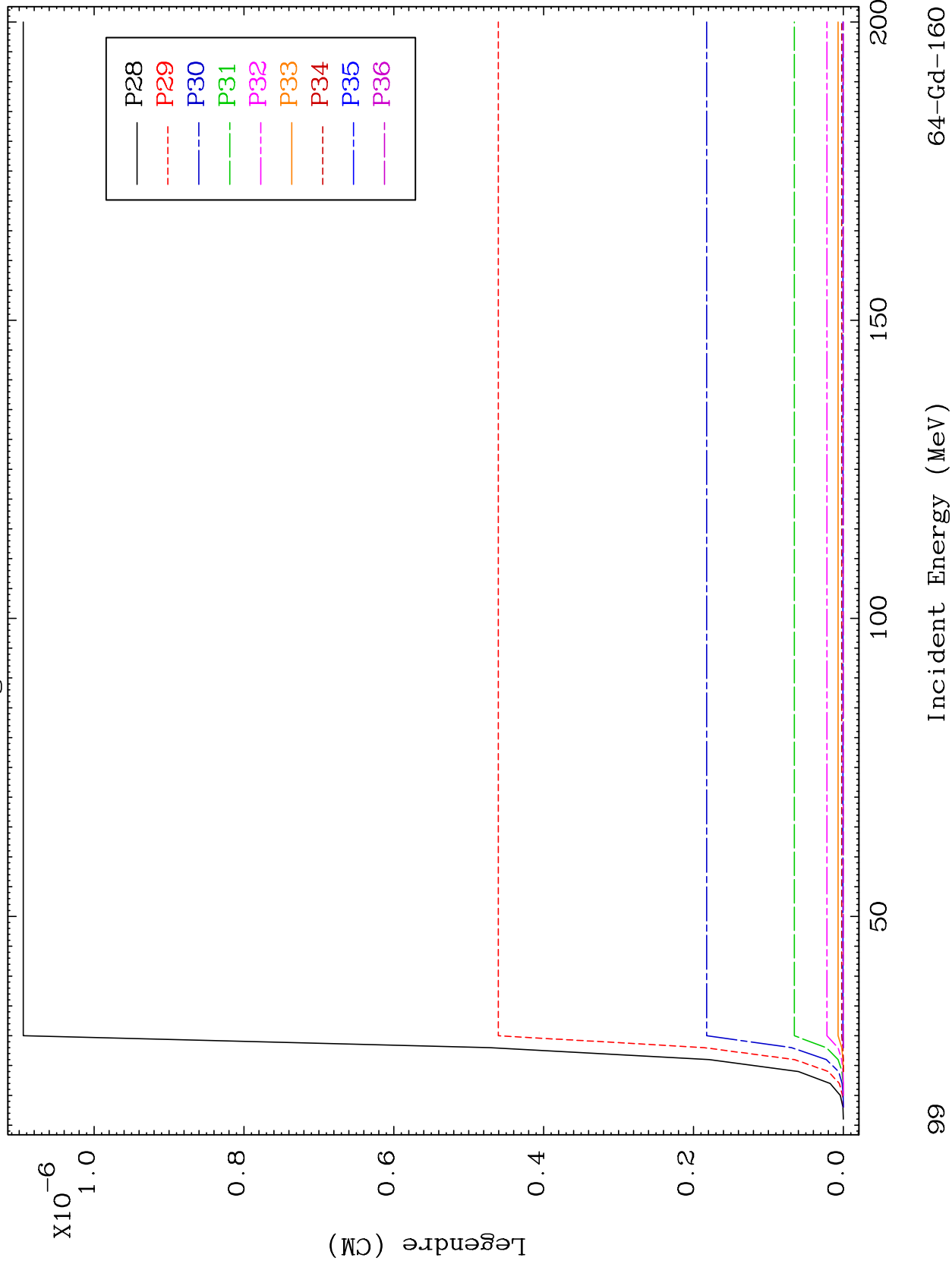
64-Gd-160



MAT 6449

MT= 72 (n,n') Level
Legendre Coefficients

64-Gd-160



99

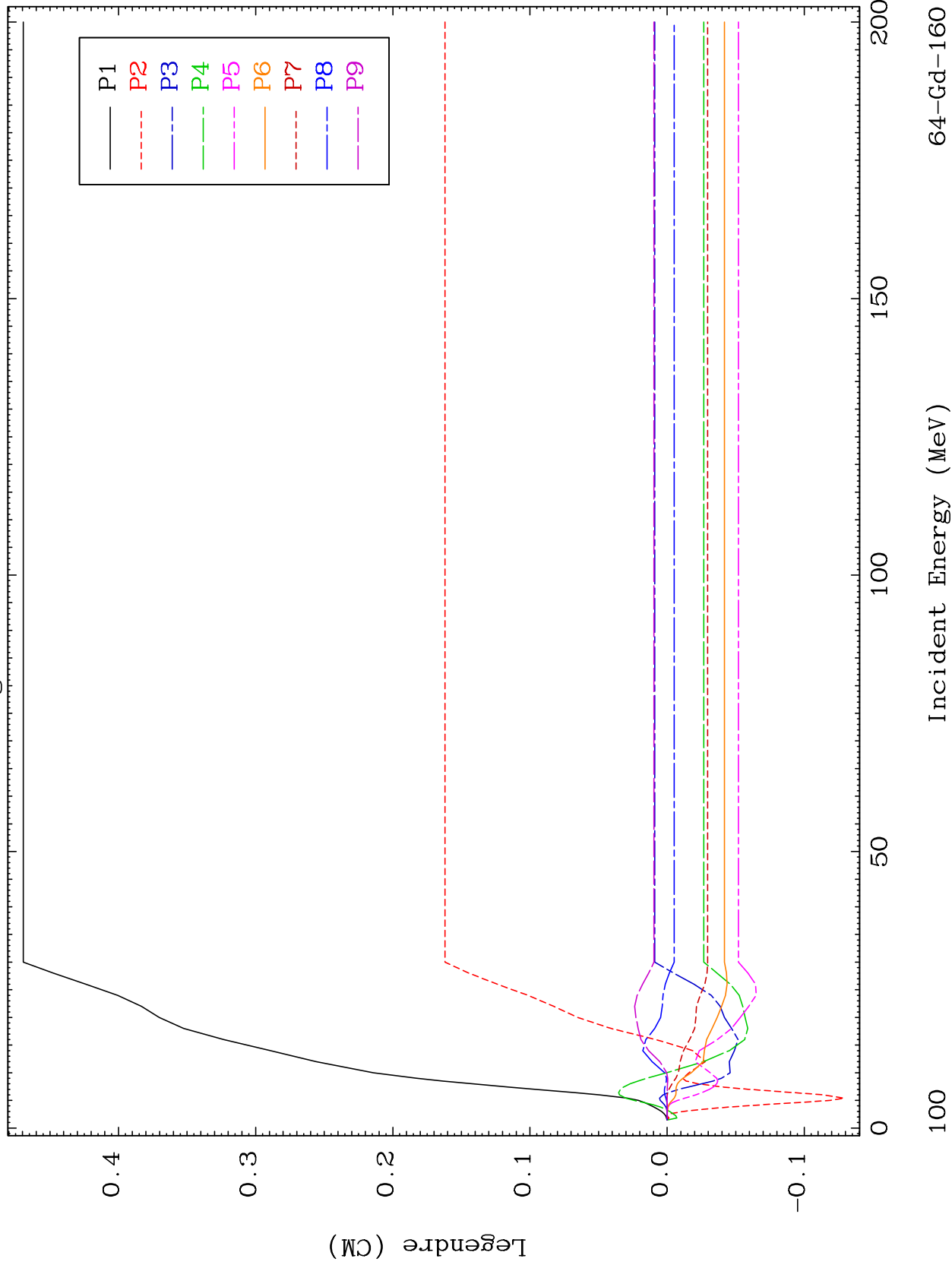
Incident Energy (MeV)

64-Gd-160

MAT 6449

MT= 73 (n,n') Level
Legendre Coefficients

64-Gd-160



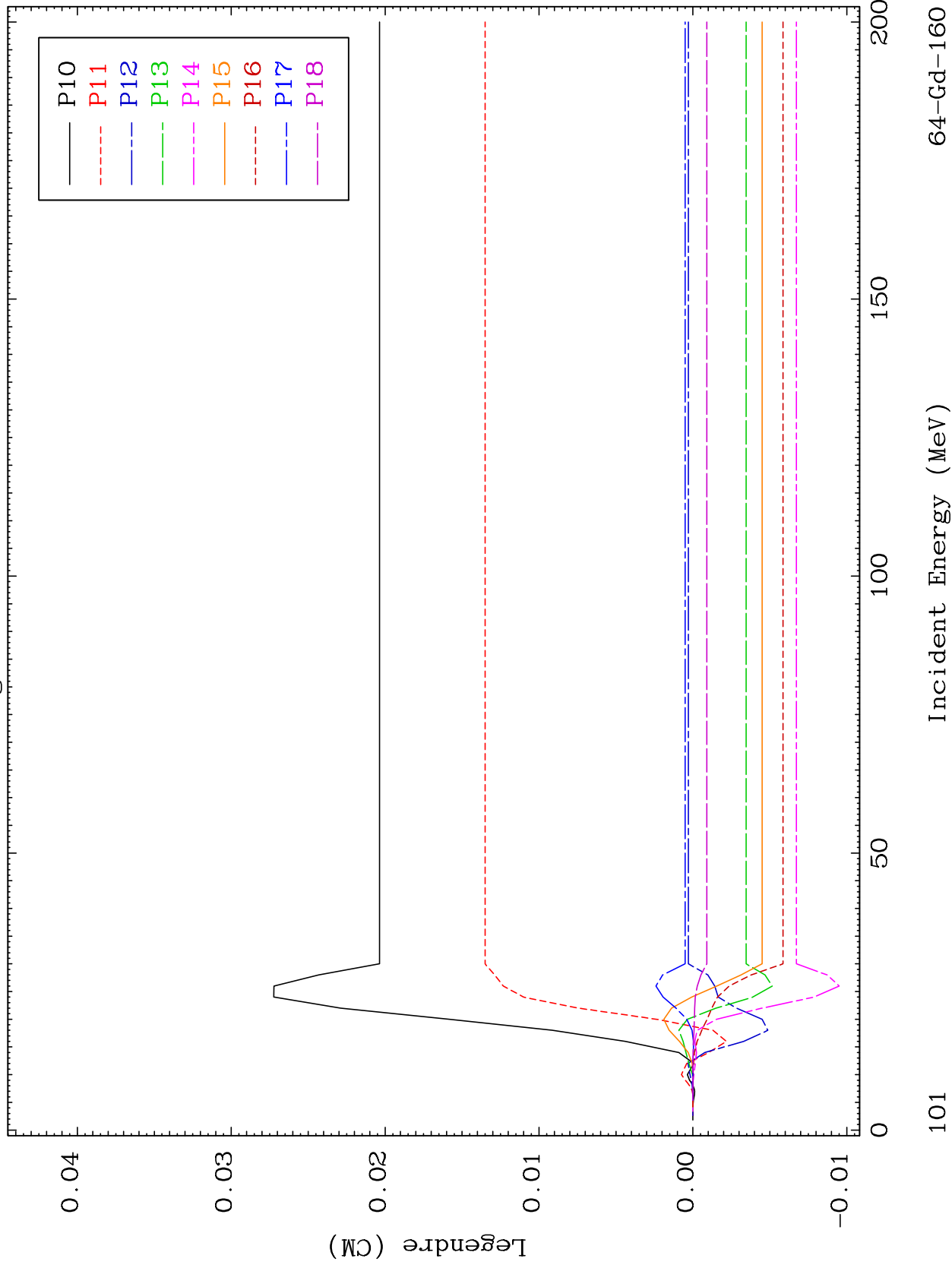
64-Gd-160

Incident Energy (MeV)

MAT 6449

MT= 73 (n,n') Level
Legendre Coefficients

64-Gd-160



101

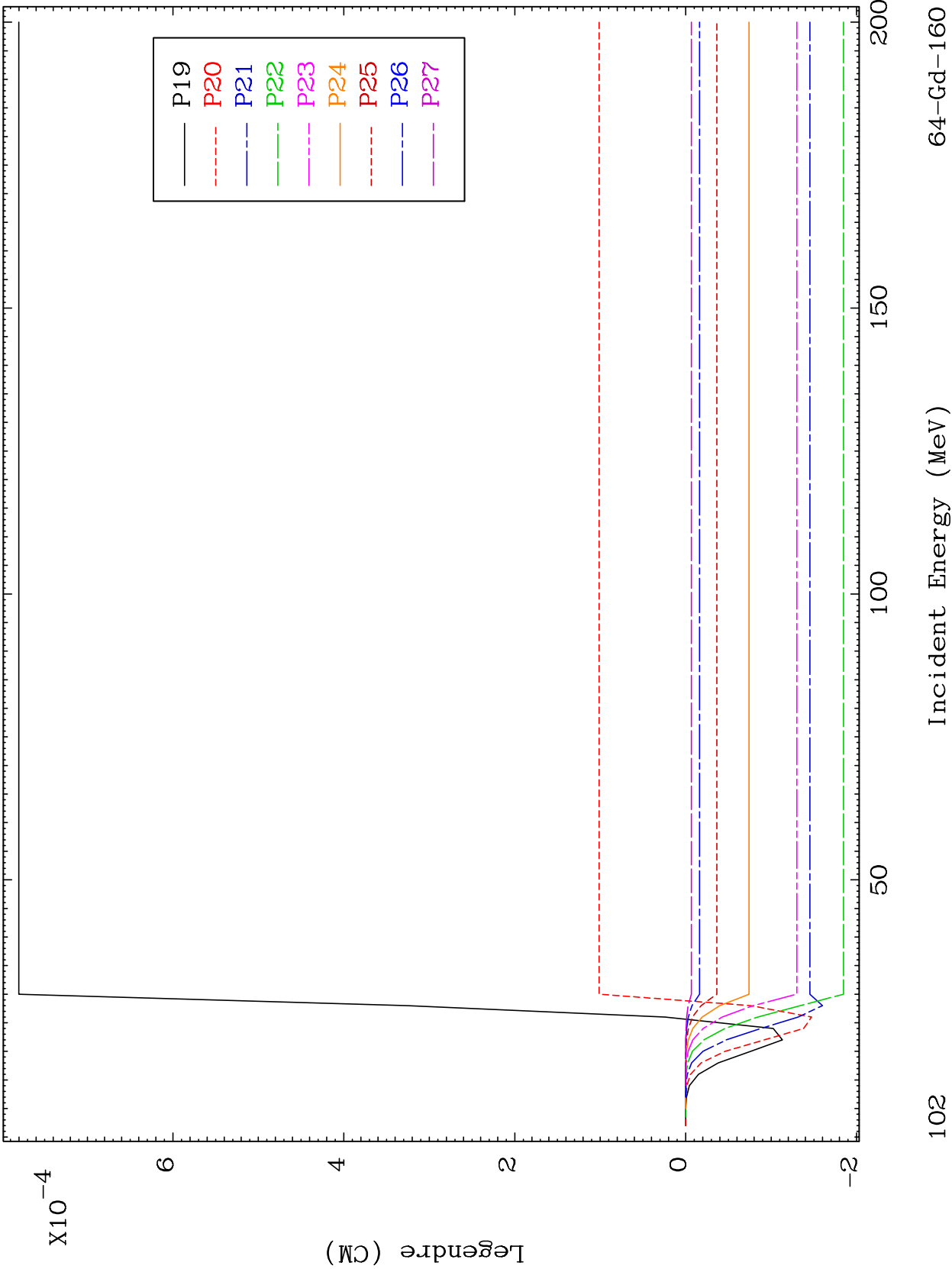
Incident Energy (MeV)

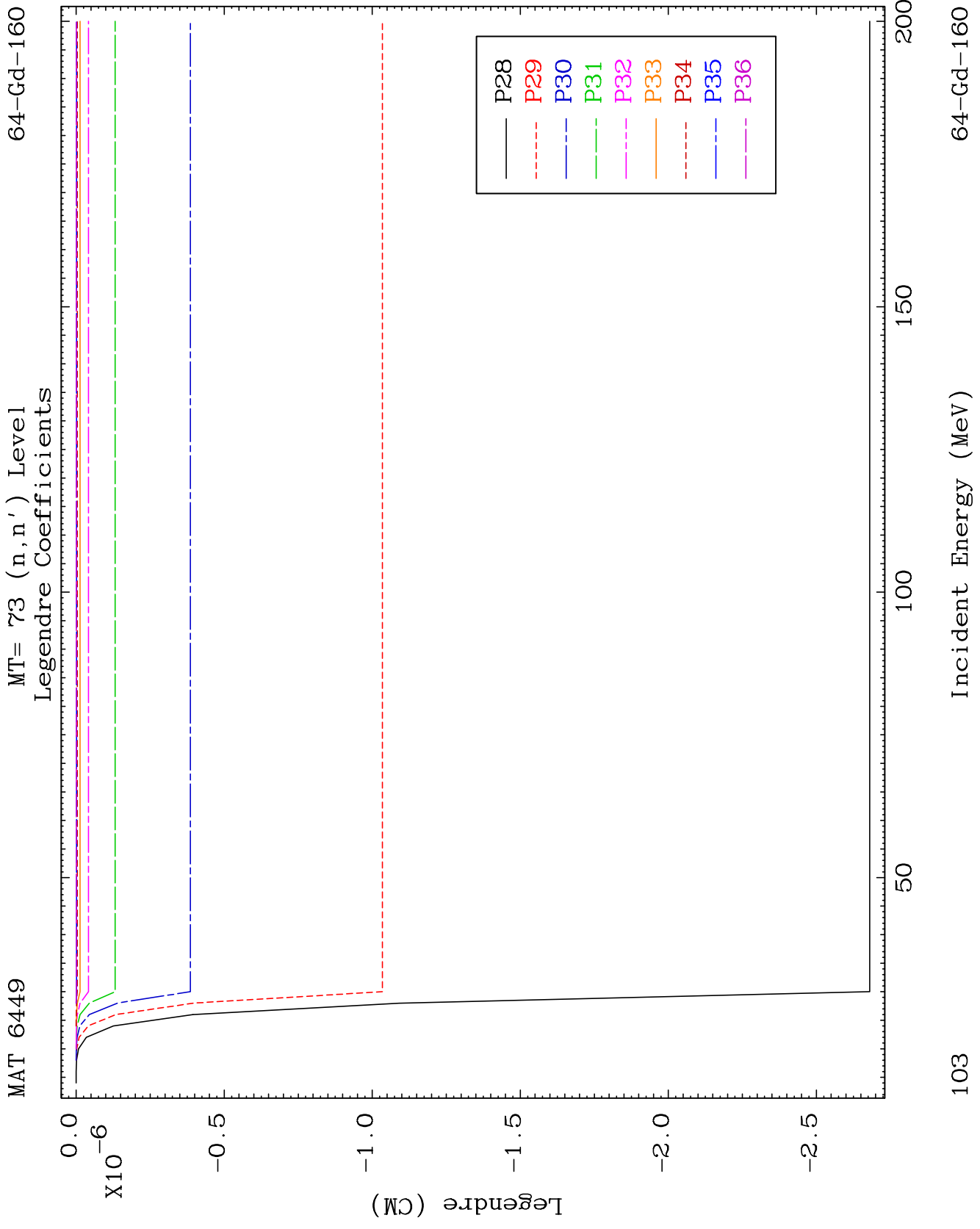
64-Gd-160

MAT 6449

MT= 73 (n,n') Level
Legendre Coefficients

64-Gd-160

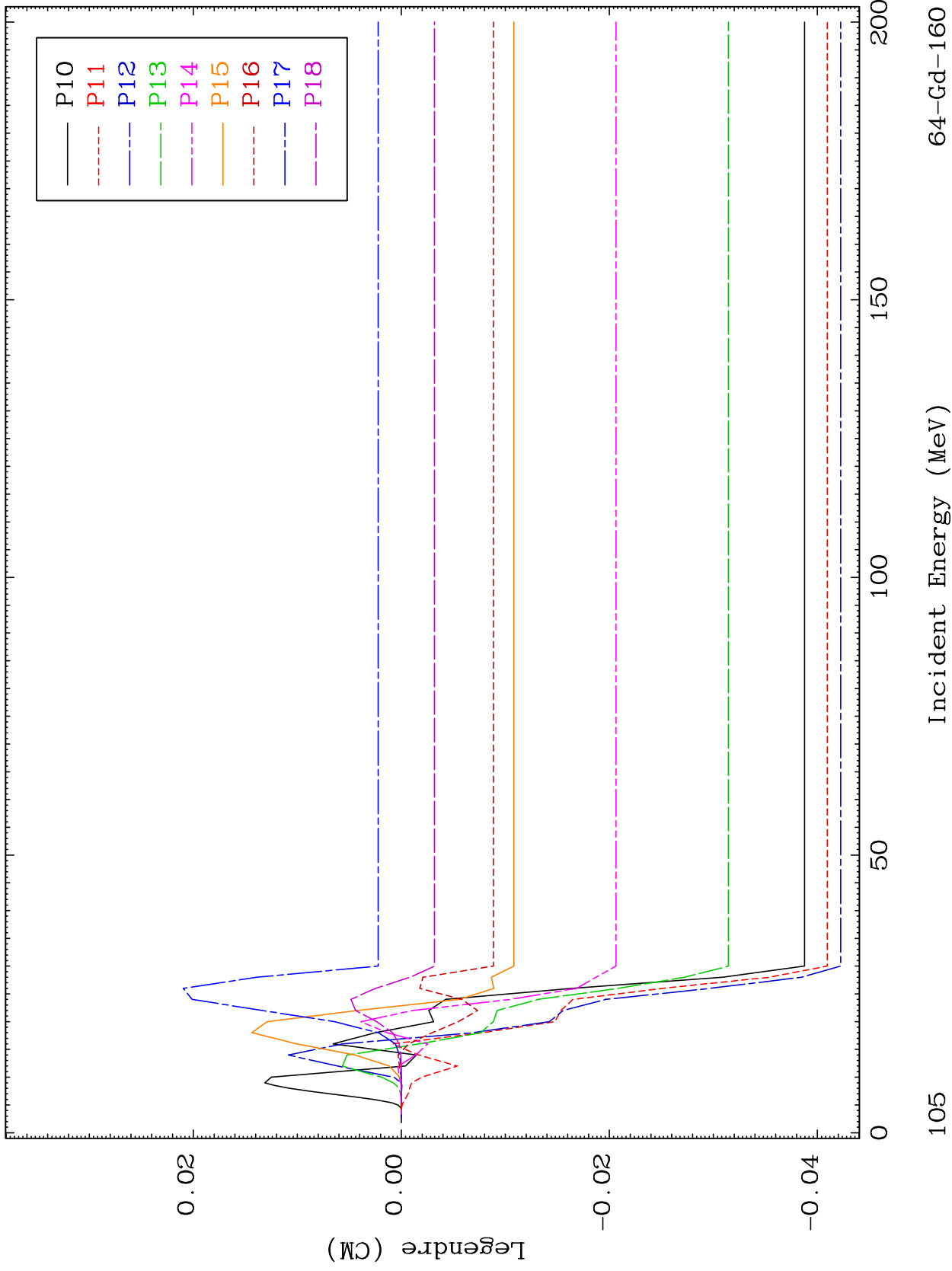




MAT 6449

MT= 74 (n,n') Level
Legendre Coefficients

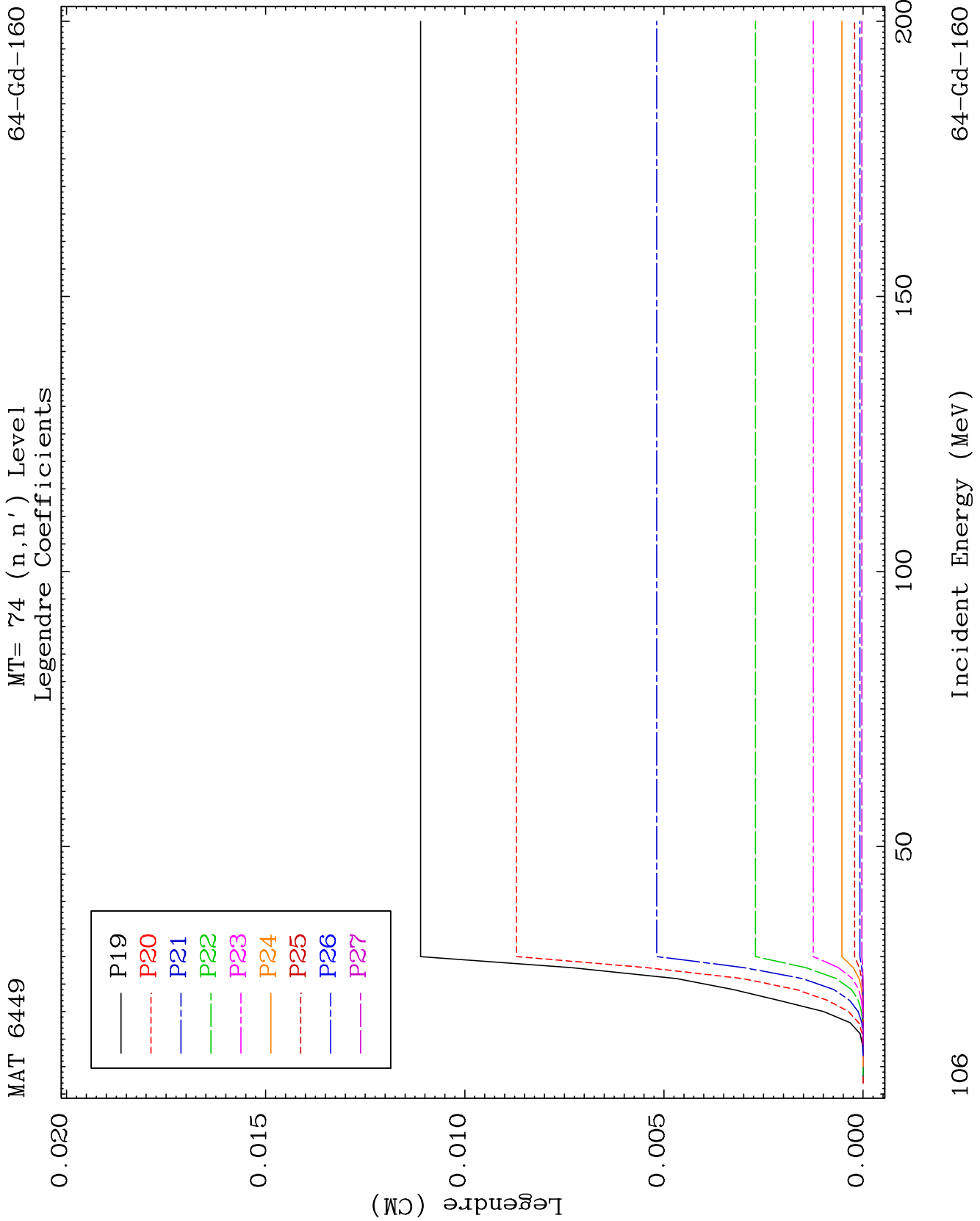
64-Gd-160



64-Gd-160

Incident Energy (MeV)

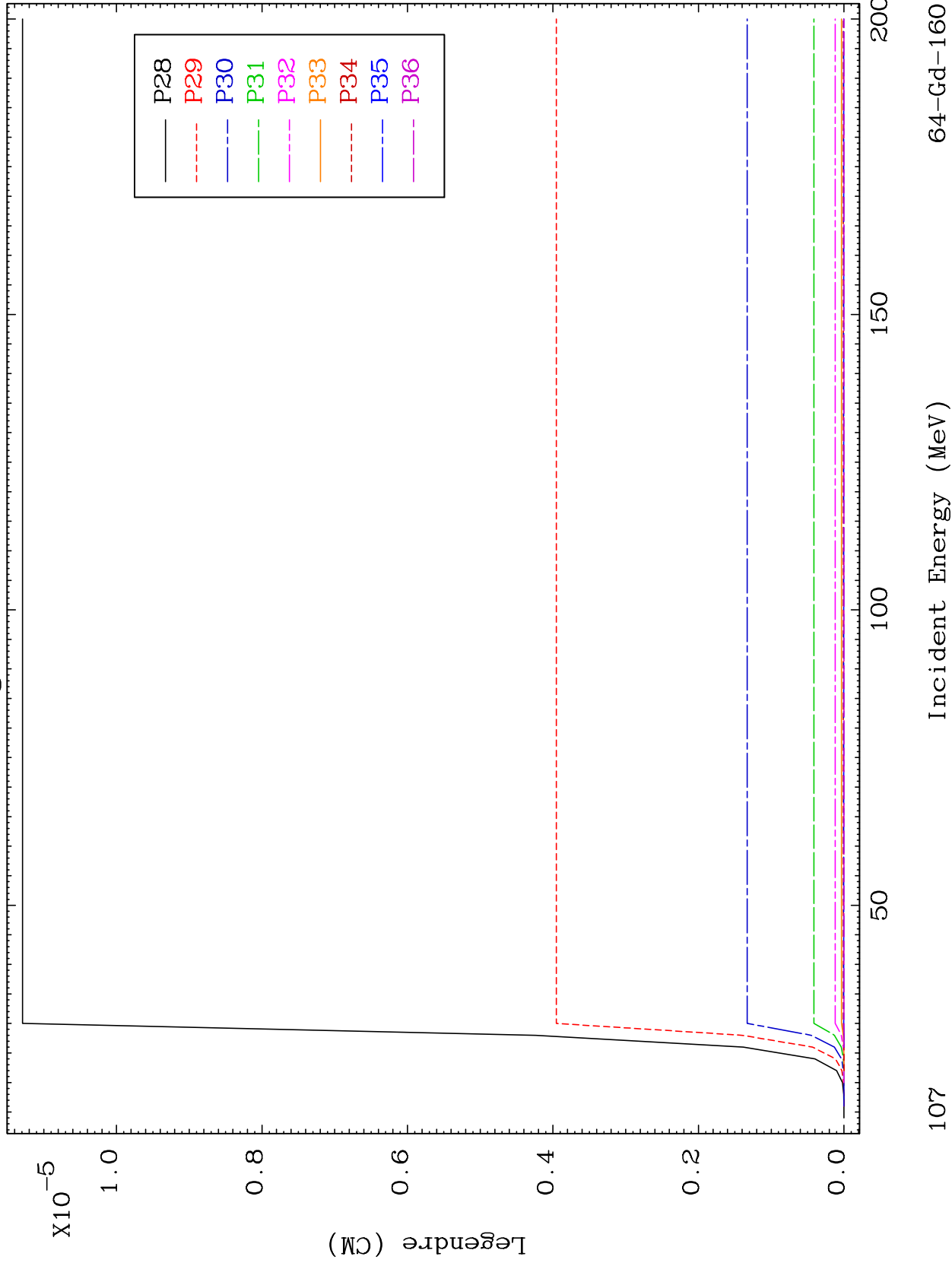
105

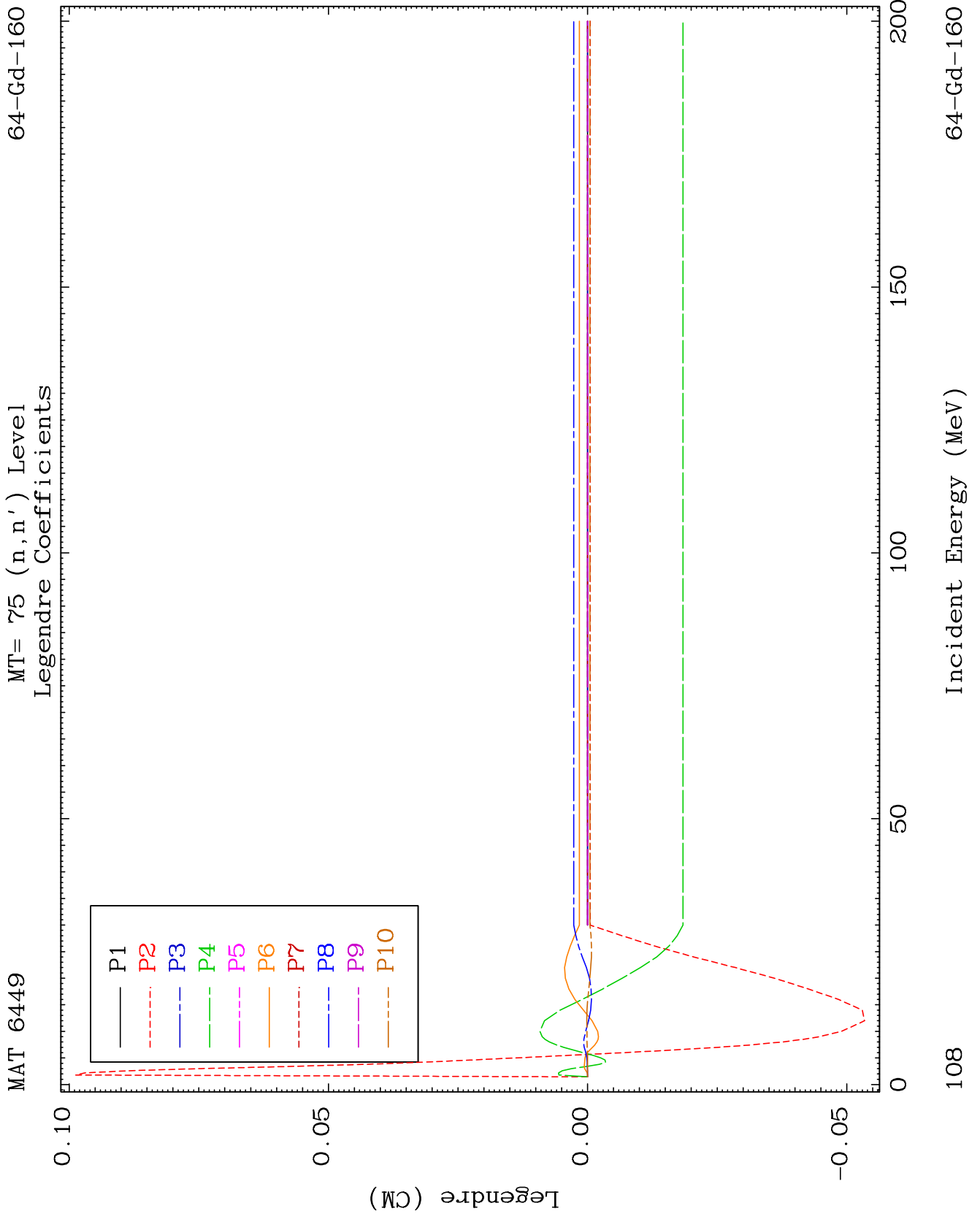


MAT 6449

MT= 74 (n,n') Level
Legendre Coefficients

64-Gd-160

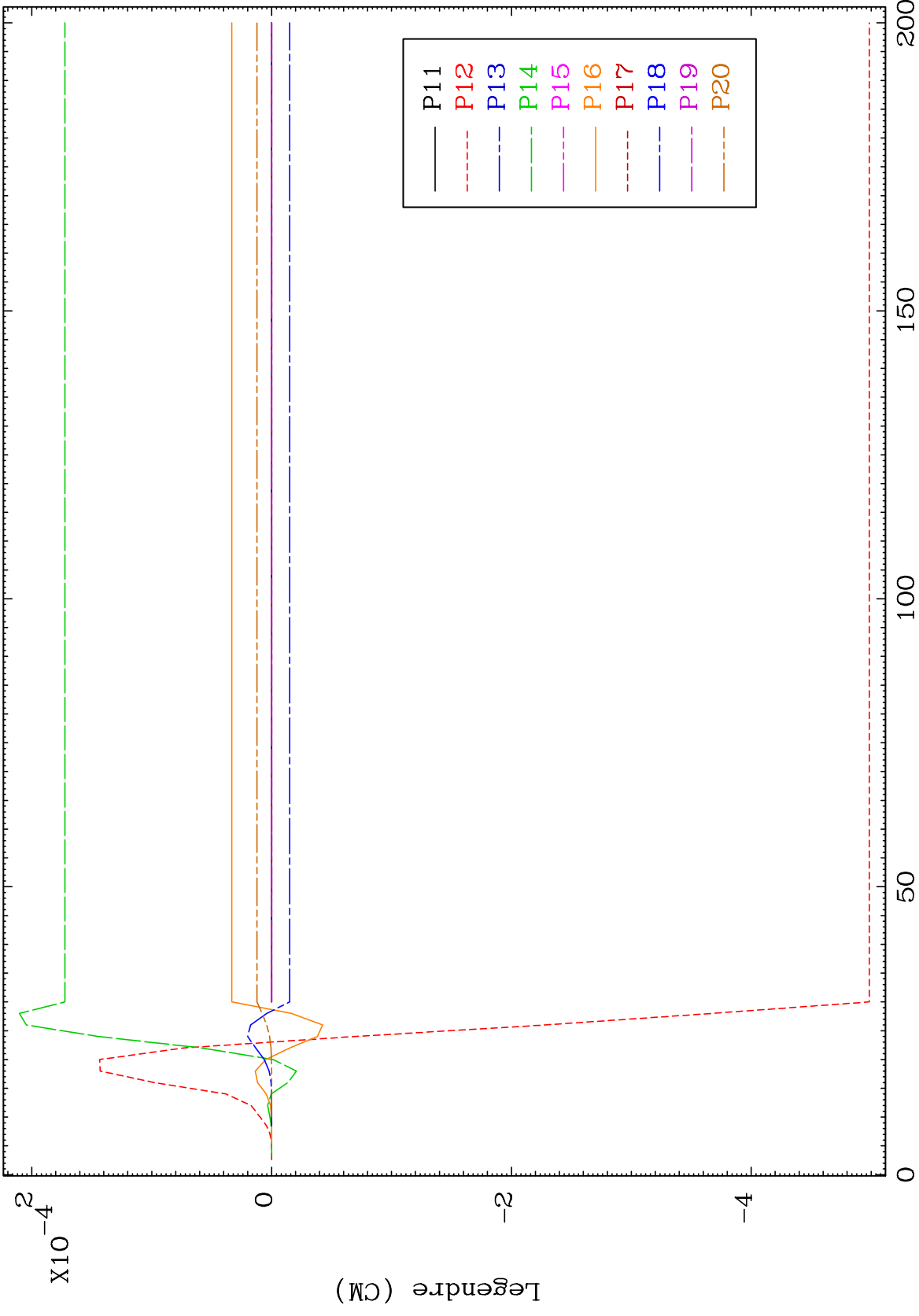




MAT 6449

MT= 75 (n,n') Level
Legendre Coefficients

64-Gd-160



109

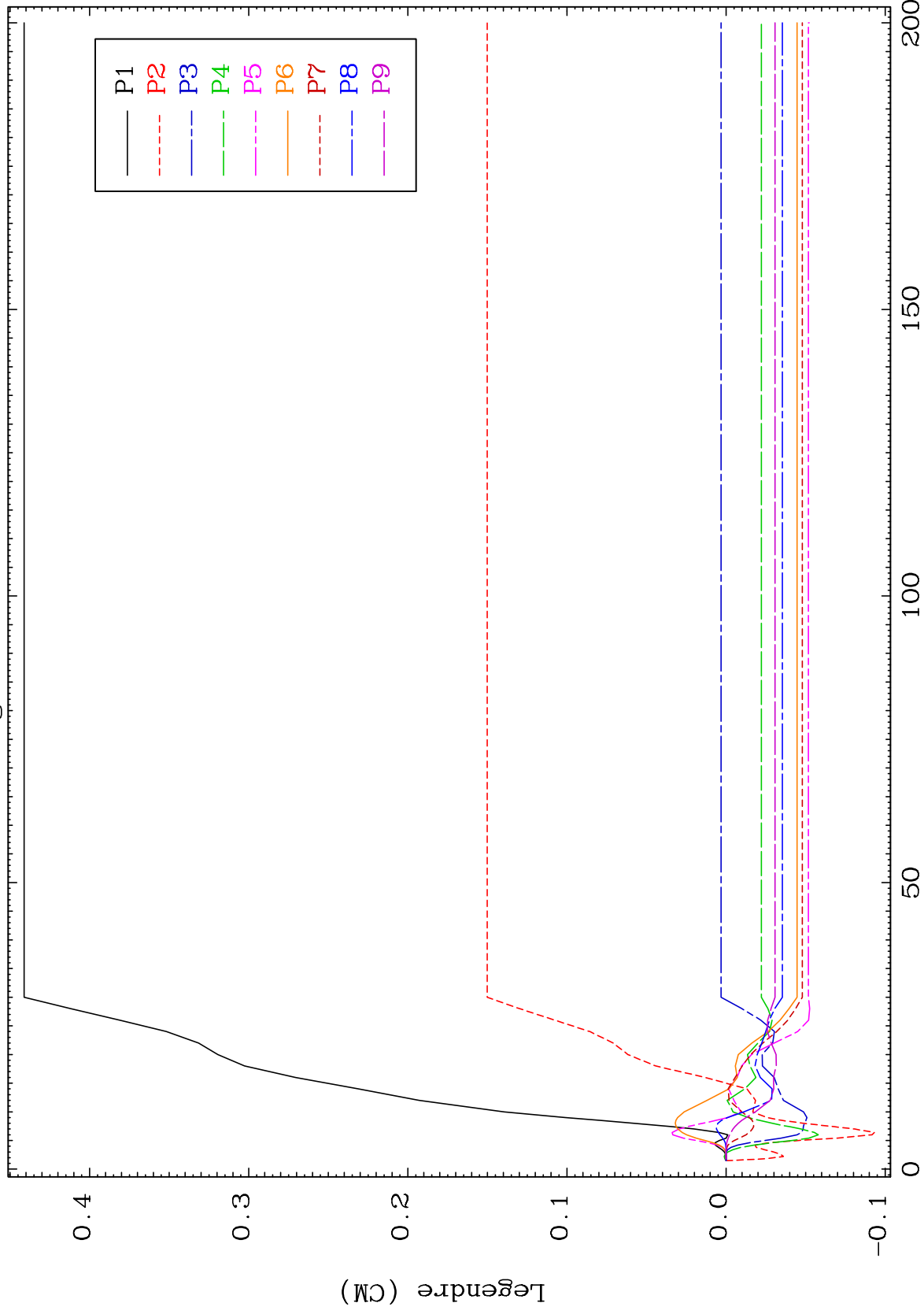
Incident Energy (MeV)

64-Gd-160

MAT 6449

MT= 76 (n,n') Level
Legendre Coefficients

64-Gd-160



64-Gd-160

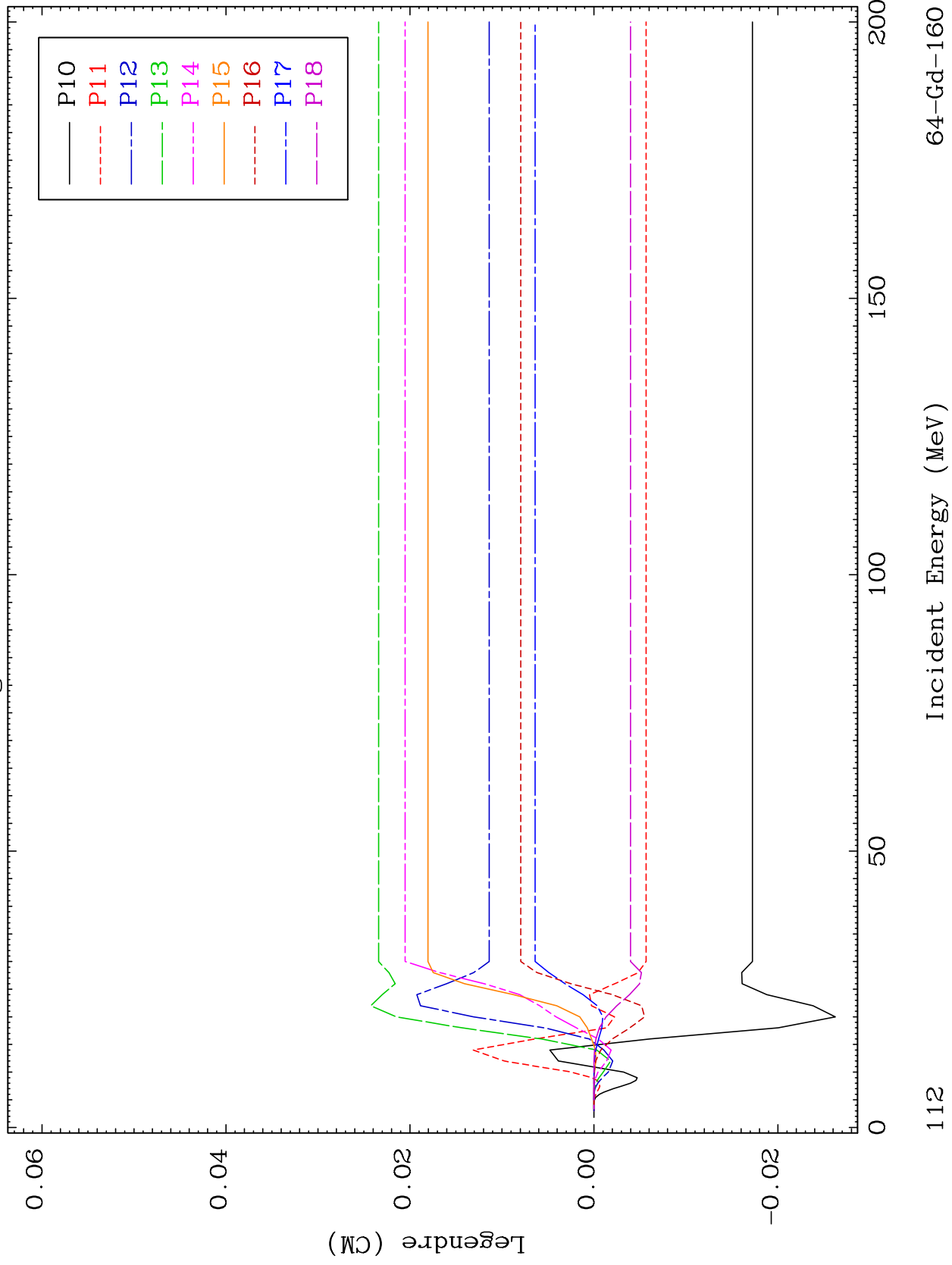
Incident Energy (MeV)

111

MAT 6449

MT= 76 (n,n') Level
Legendre Coefficients

64-Gd-160



112

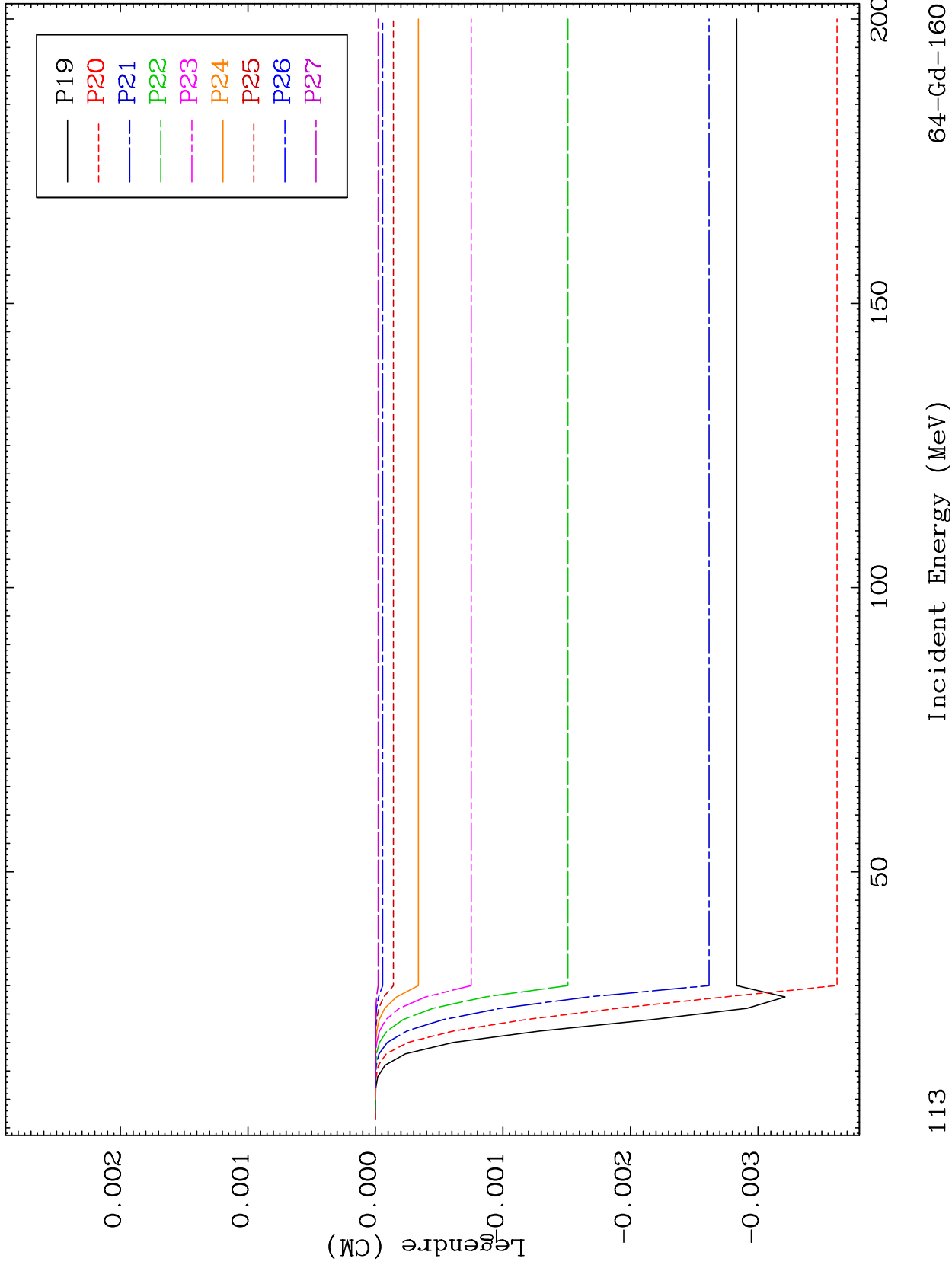
Incident Energy (MeV)

64-Gd-160

MAT 6449

MT= 76 (n,n') Level
Legendre Coefficients

64-Gd-160



113

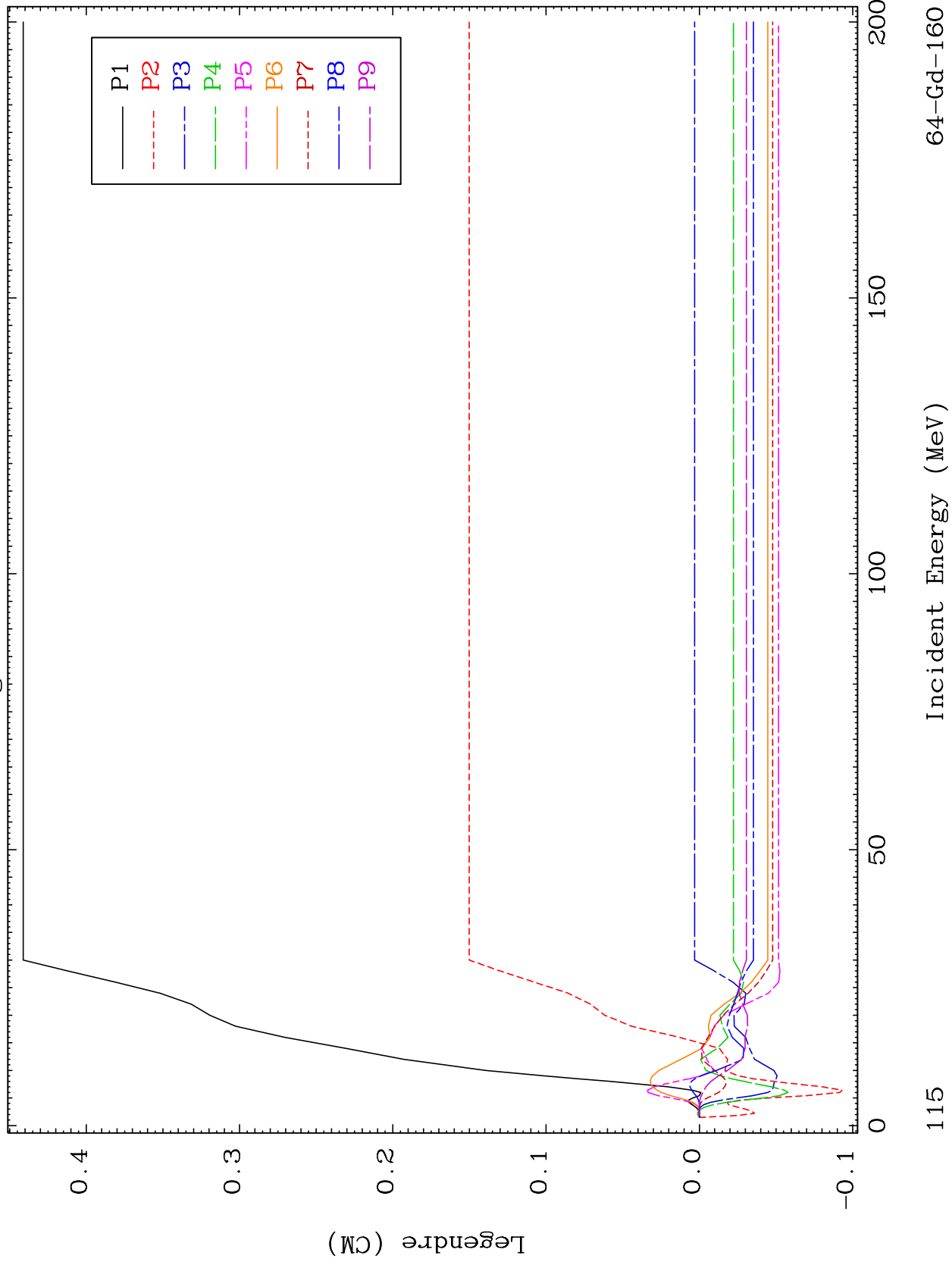
Incident Energy (MeV)

64-Gd-160

MAT 6449

MT= 77 (n,n') Level
Legendre Coefficients

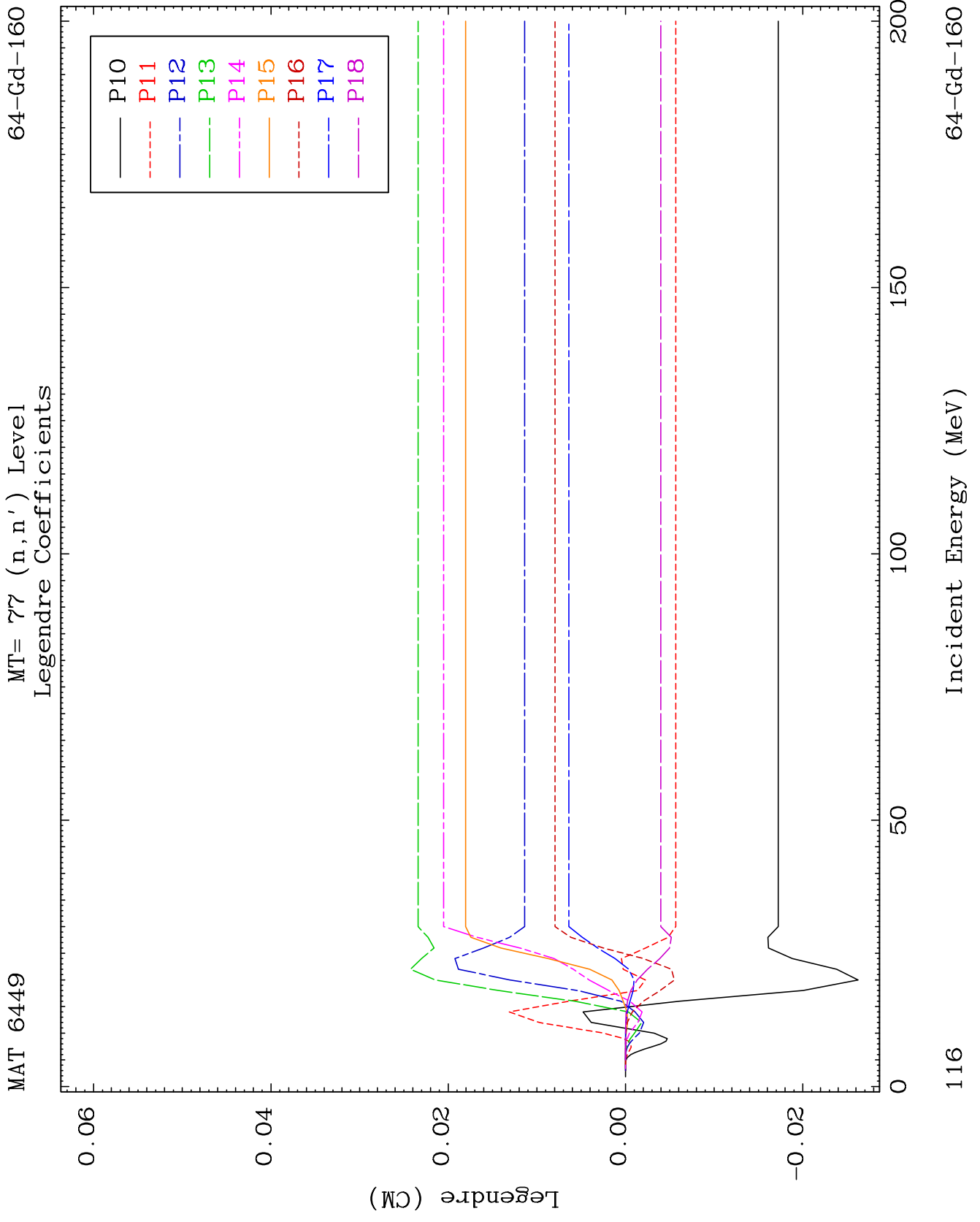
64-Gd-160



64-Gd-160

Incident Energy (MeV)

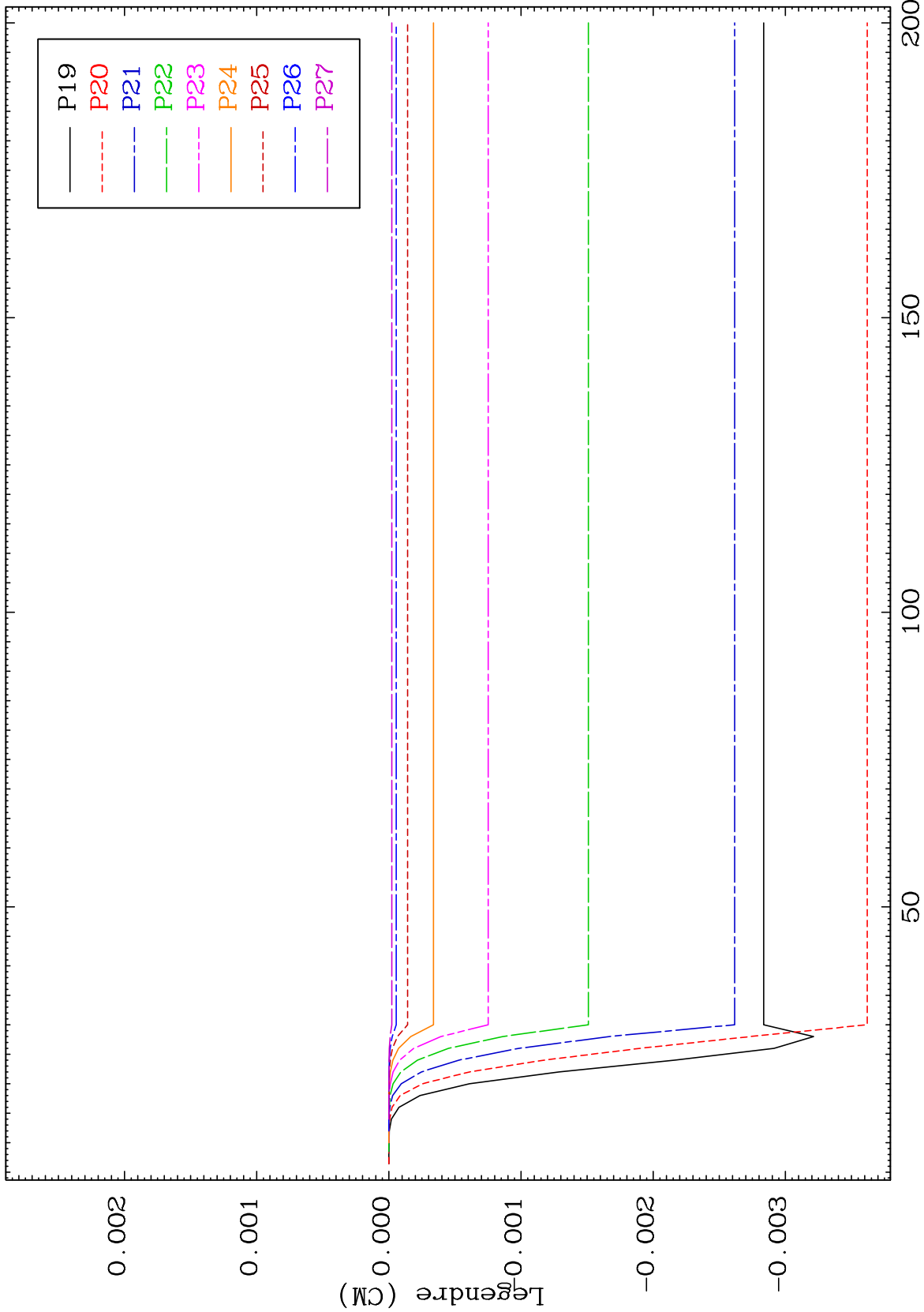
115



MAT 6449

MT= 77 (n,n') Level
Legendre Coefficients

64-Gd-160



117

Incident Energy (MeV)

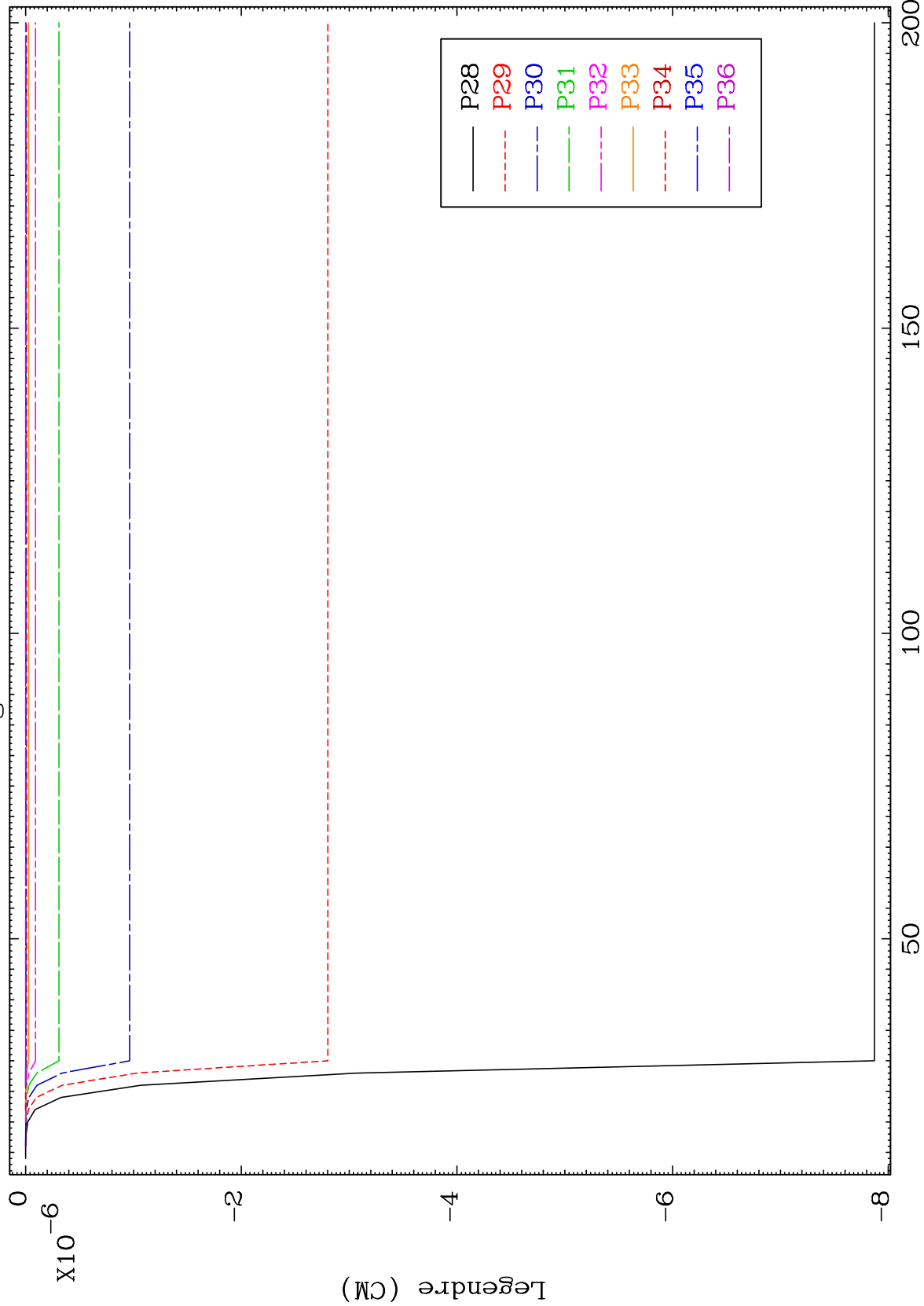
64-Gd-160

MAT 6449

MT= 77 (n,n') Level

64-Gd-160

Legendre Coefficients



64-Gd-160

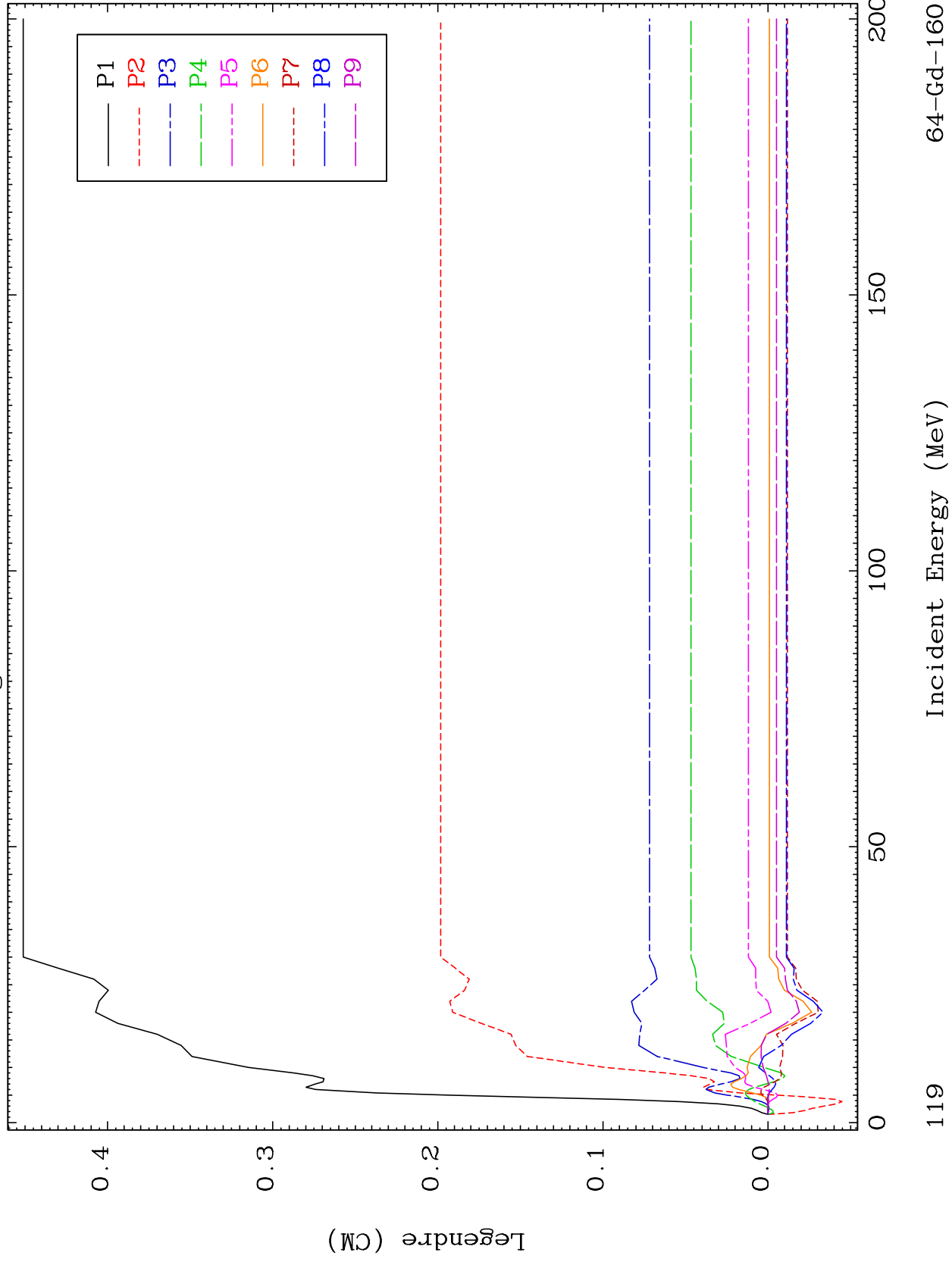
Incident Energy (MeV)

118

MAT 6449

MT= 78 (n,n') Level
Legendre Coefficients

64-Gd-160

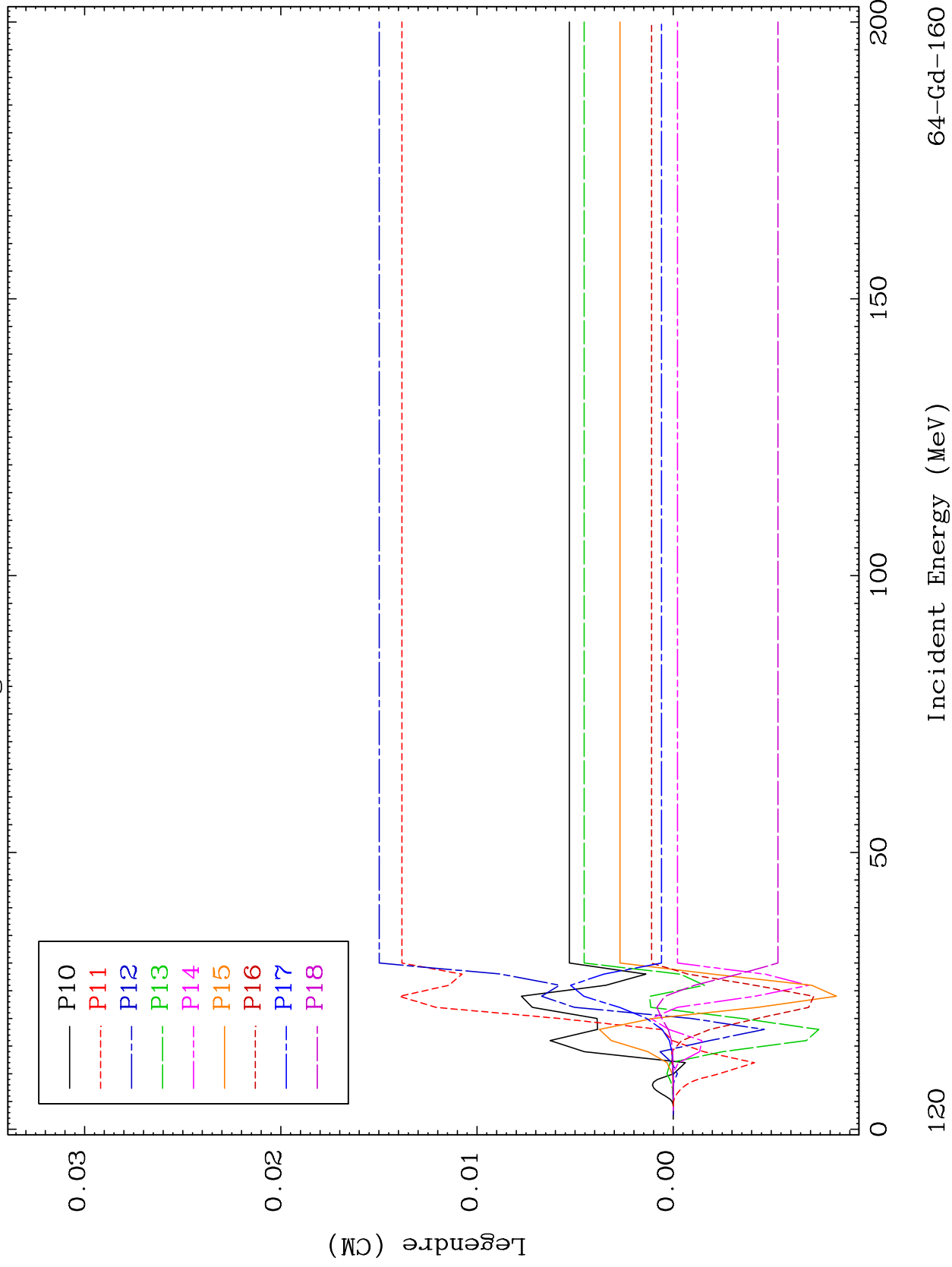


119

MAT 6449

MT= 78 (n,n') Level
Legendre Coefficients

64-Gd-160

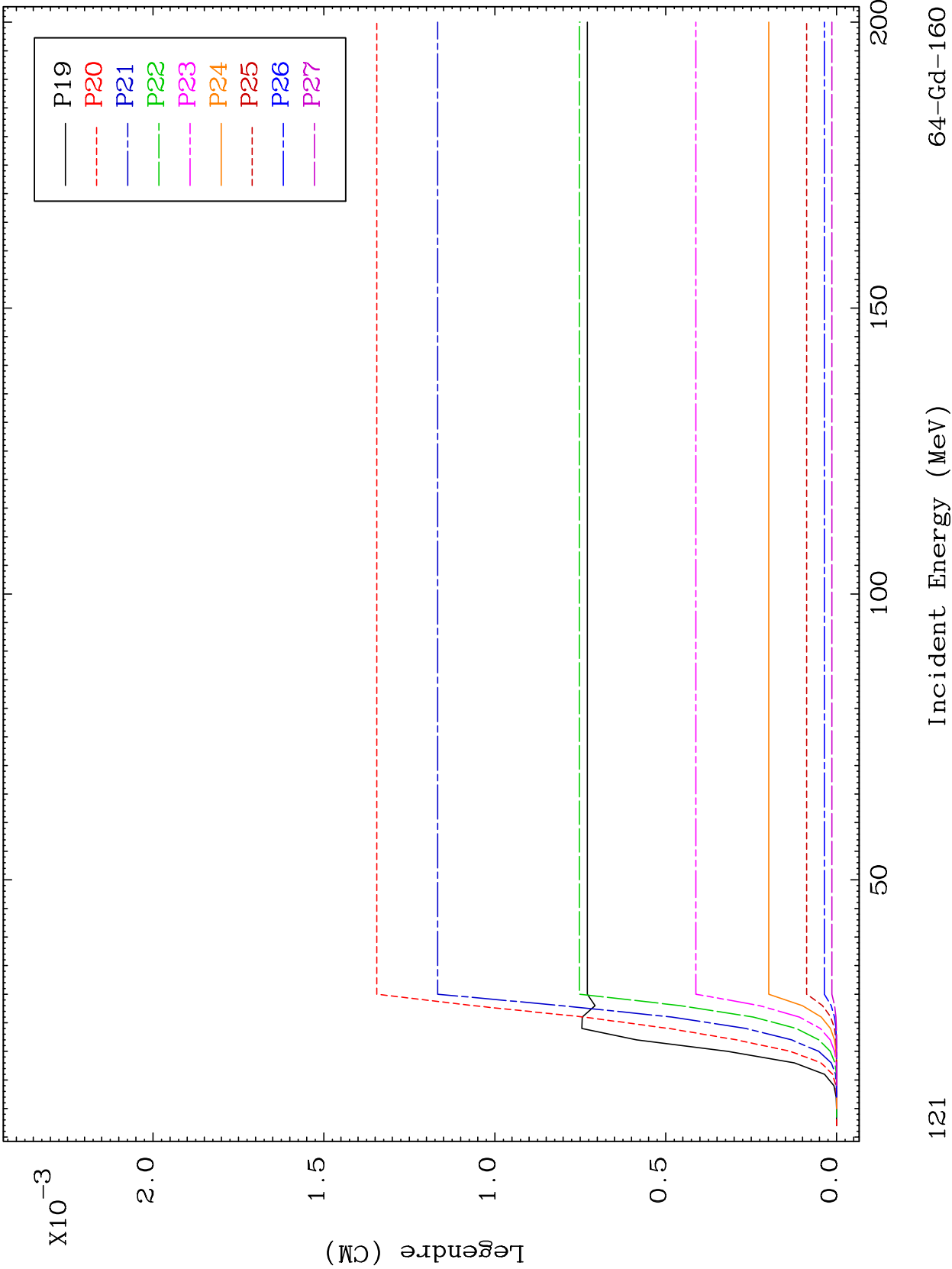


64-Gd-160

MAT 6449

MT= 78 (n,n') Level
Legendre Coefficients

64-Gd-160



121

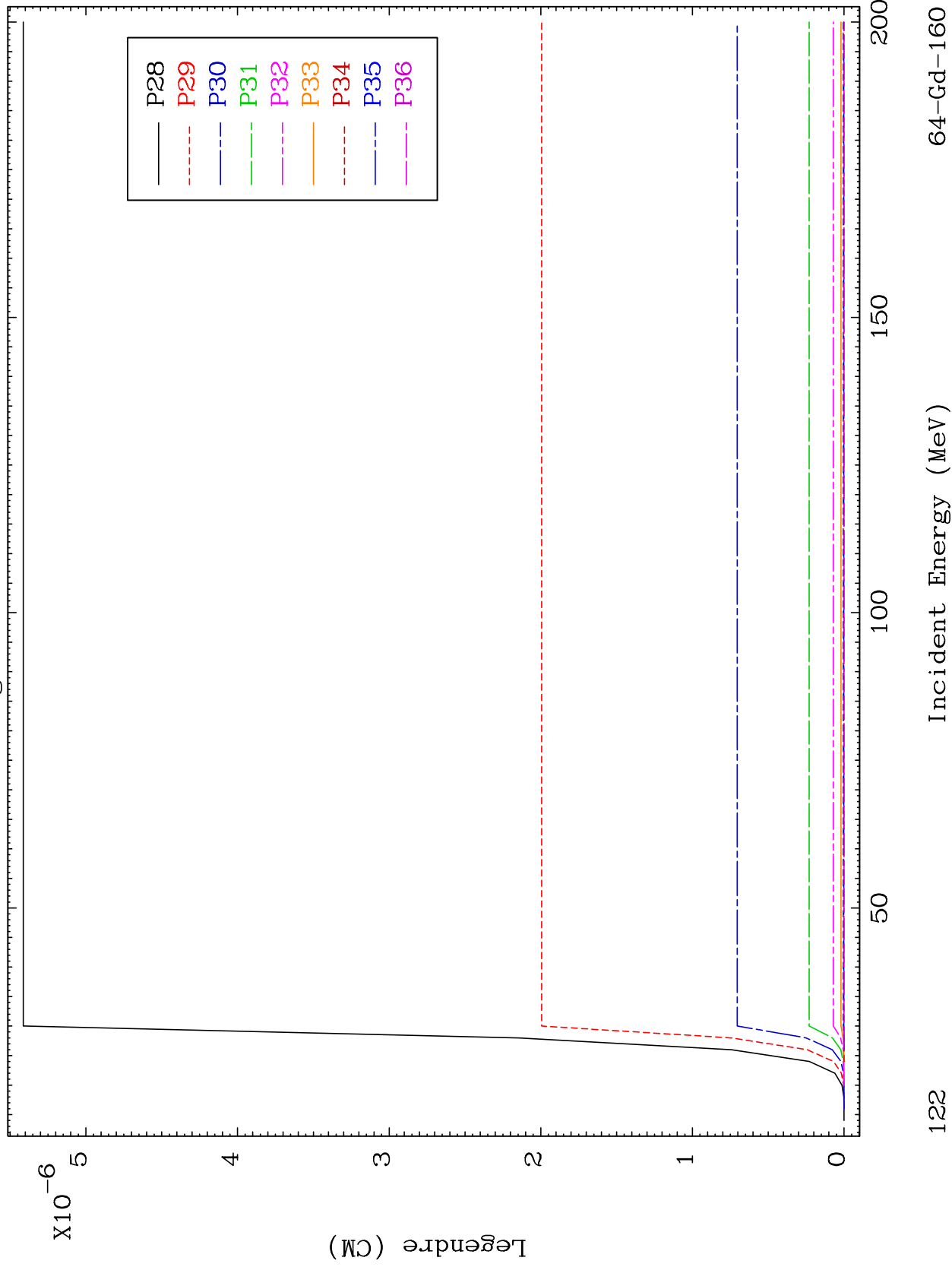
Incident Energy (MeV)

64-Gd-160

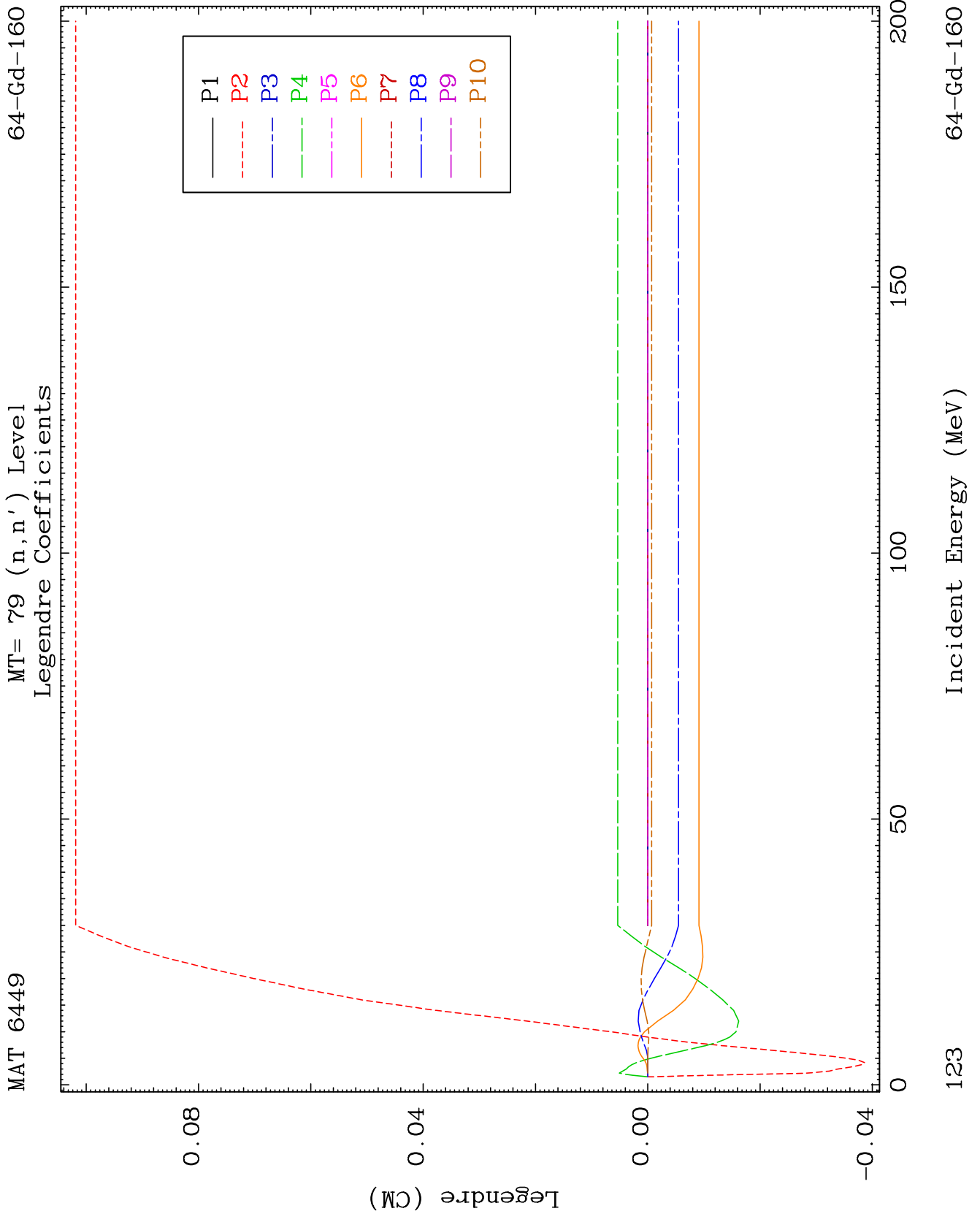
MAT 6449

MT= 78 (n,n') Level
Legendre Coefficients

64-Gd-160



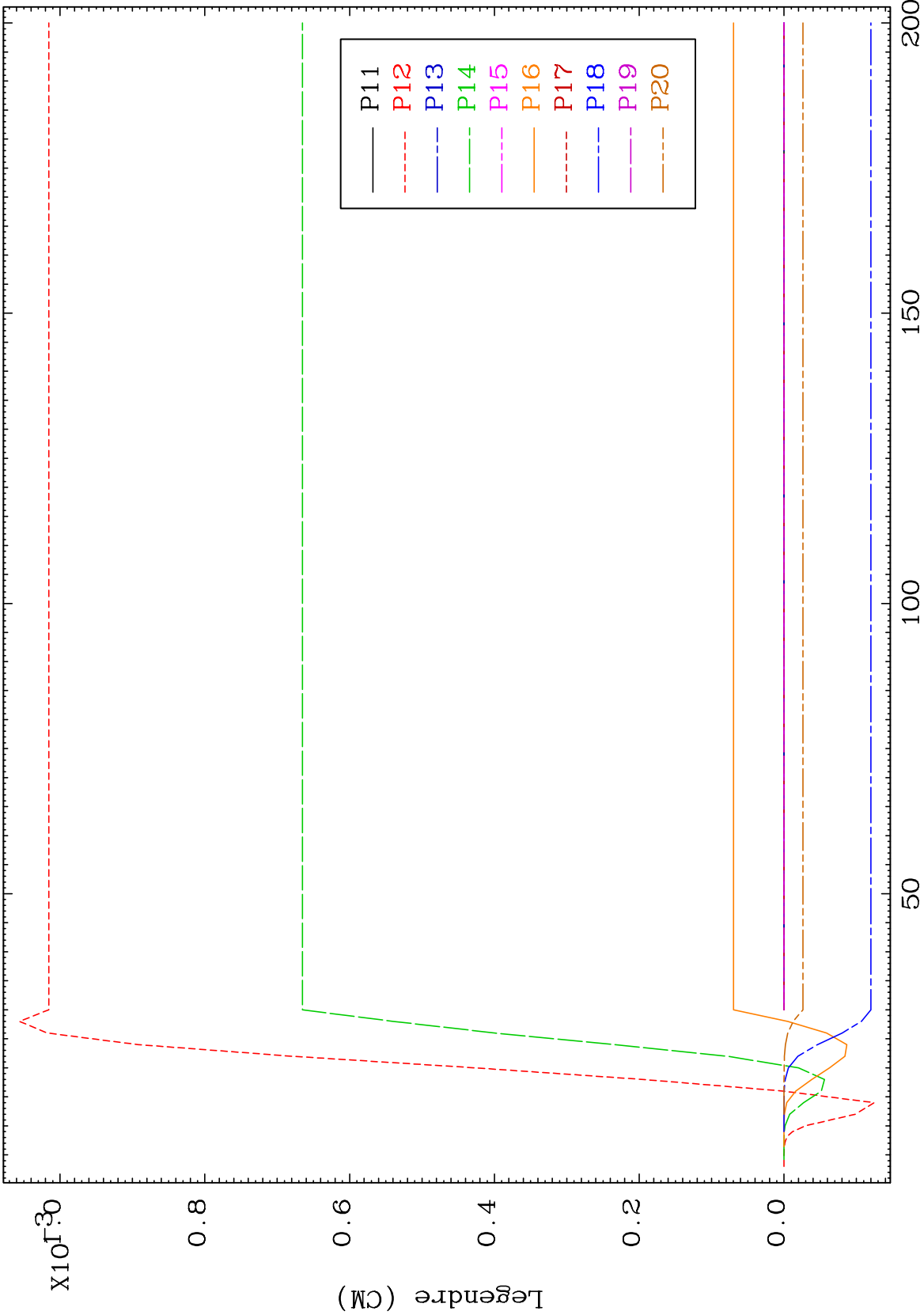
122



MAT 6449

MT= 79 (n,n') Level
Legendre Coefficients

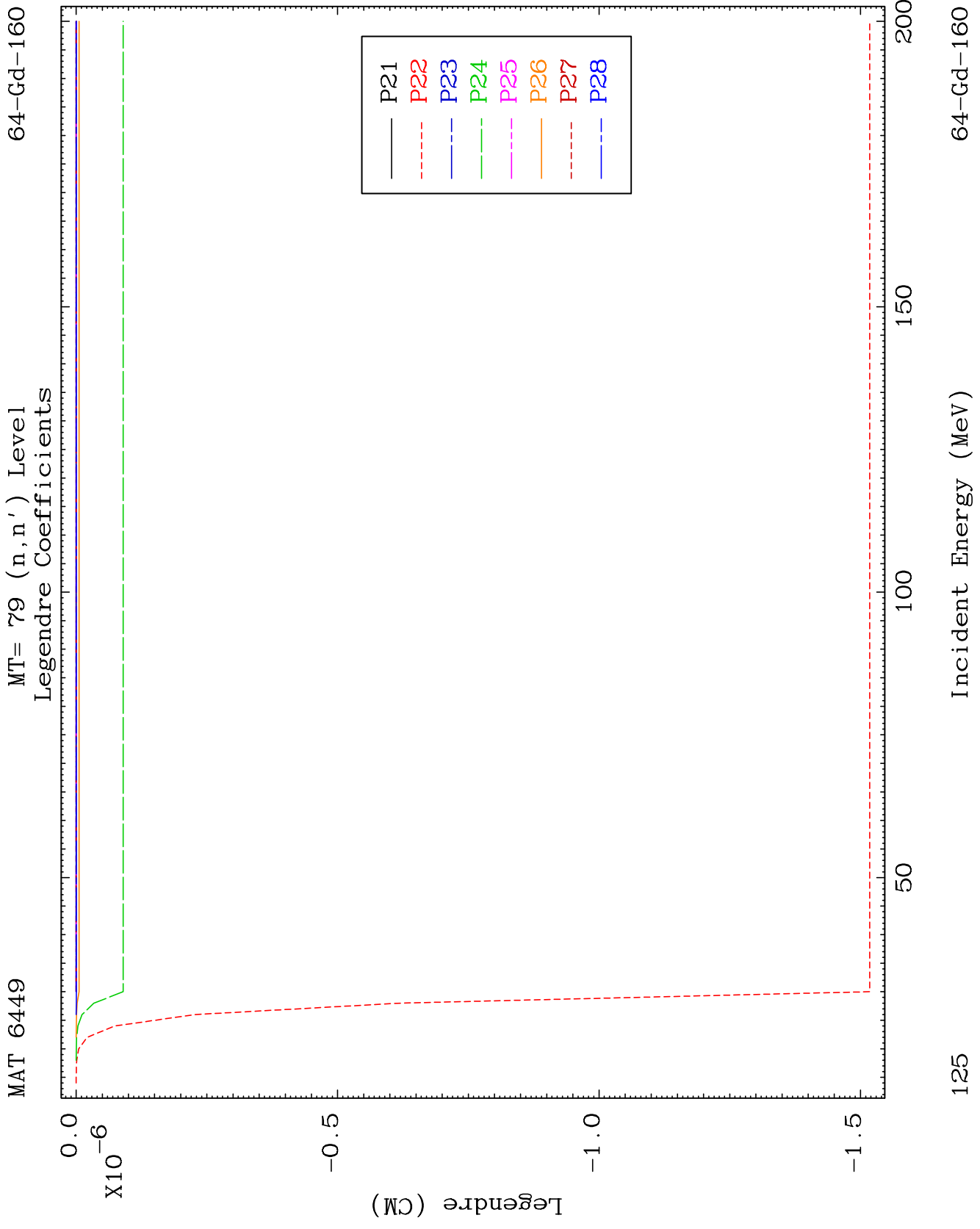
64-Gd-160



124

Incident Energy (MeV)

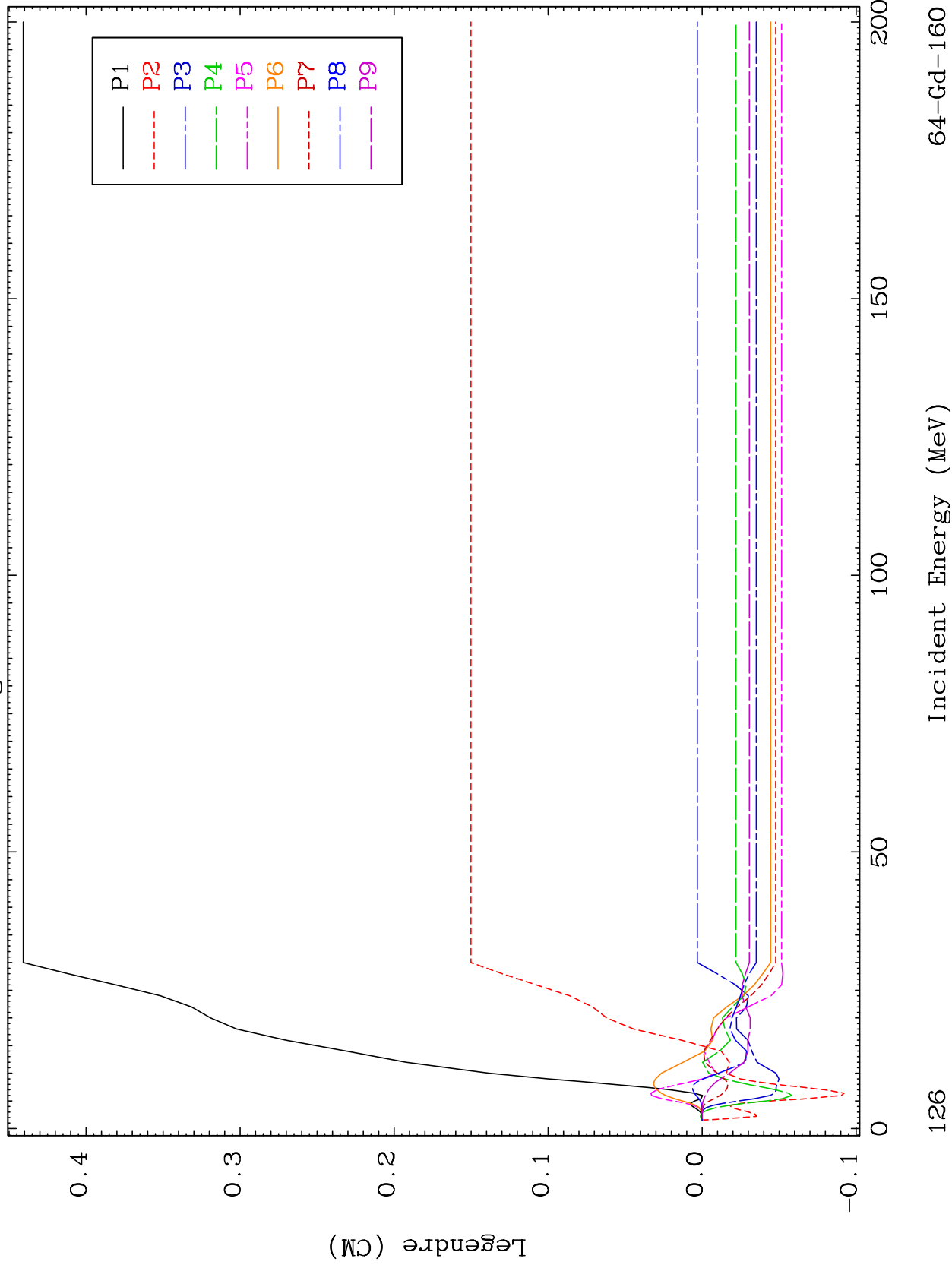
64-Gd-160



MAT 6449

MT= 80 (n,n') Level
Legendre Coefficients

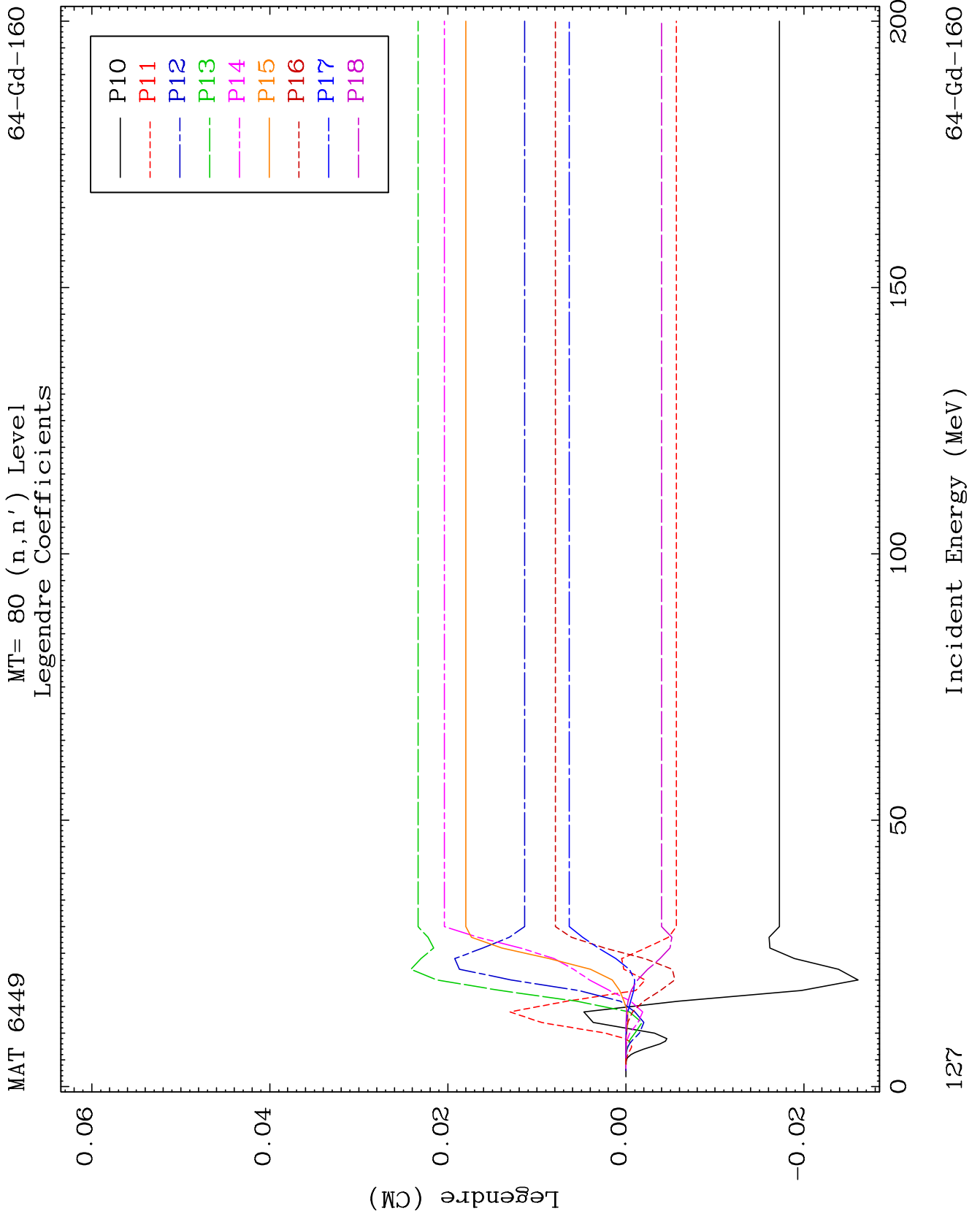
64-Gd-160



64-Gd-160

Incident Energy (MeV)

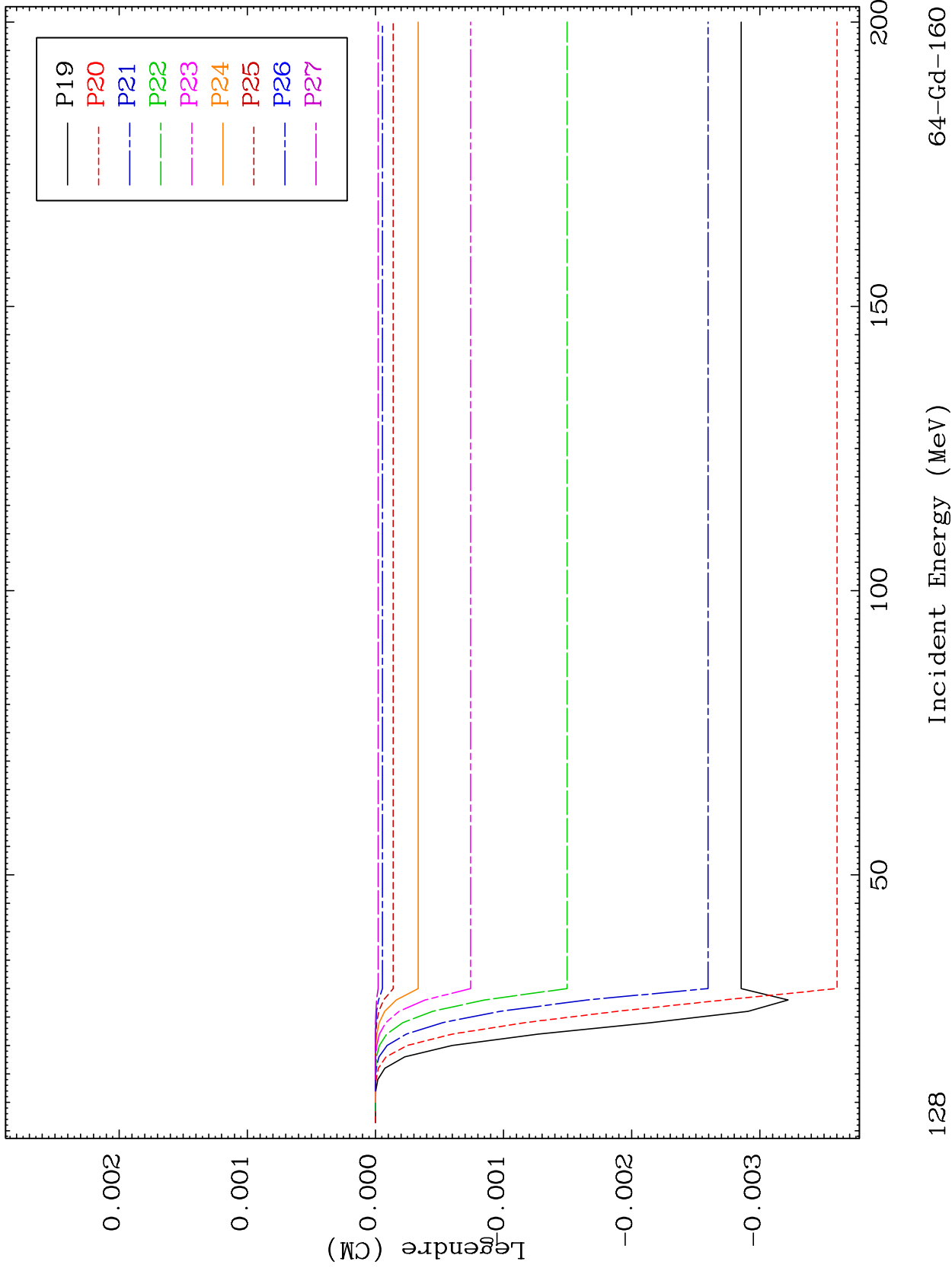
126



MAT 6449

MT= 80 (n,n') Level
Legendre Coefficients

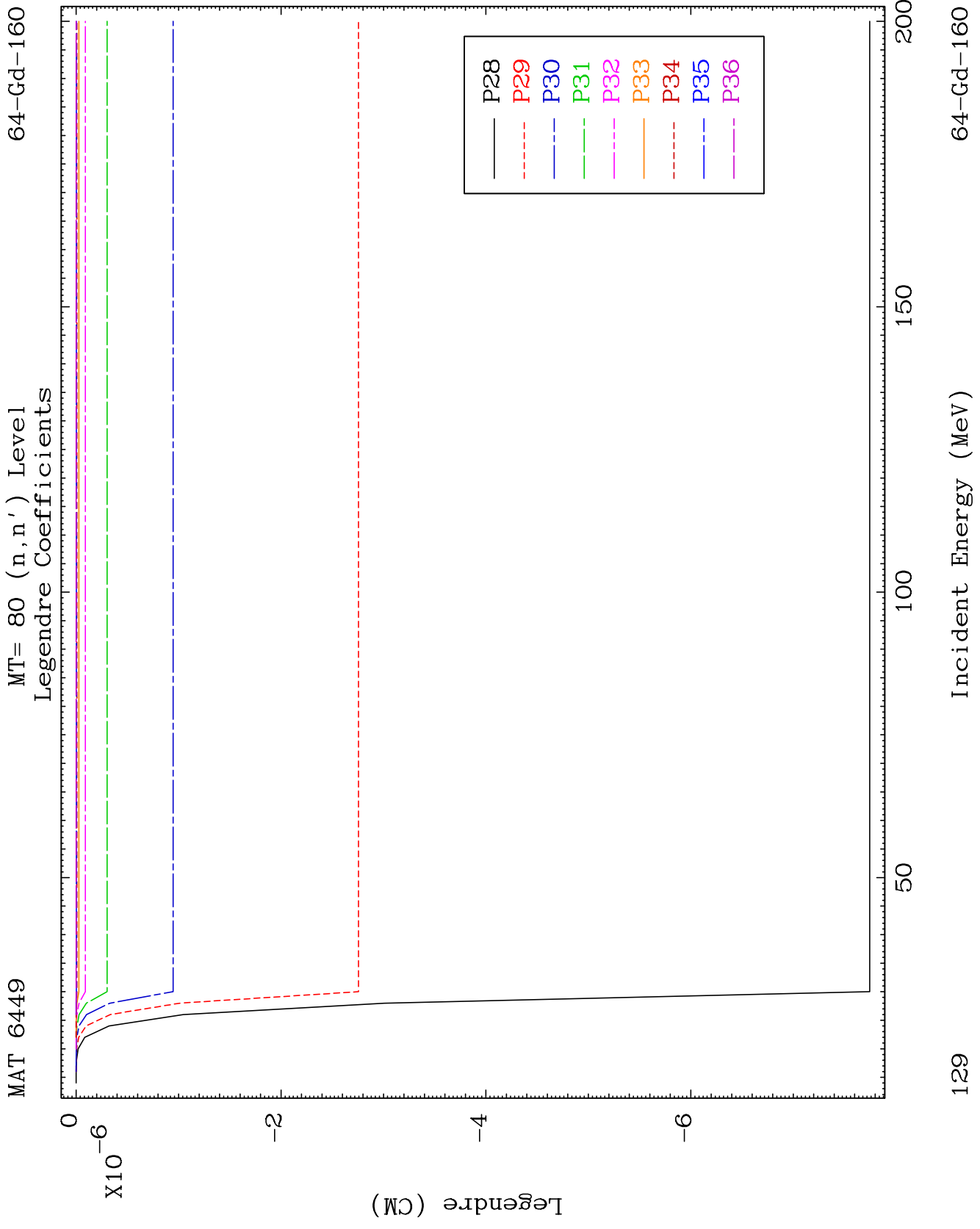
64-Gd-160



128

Incident Energy (MeV)

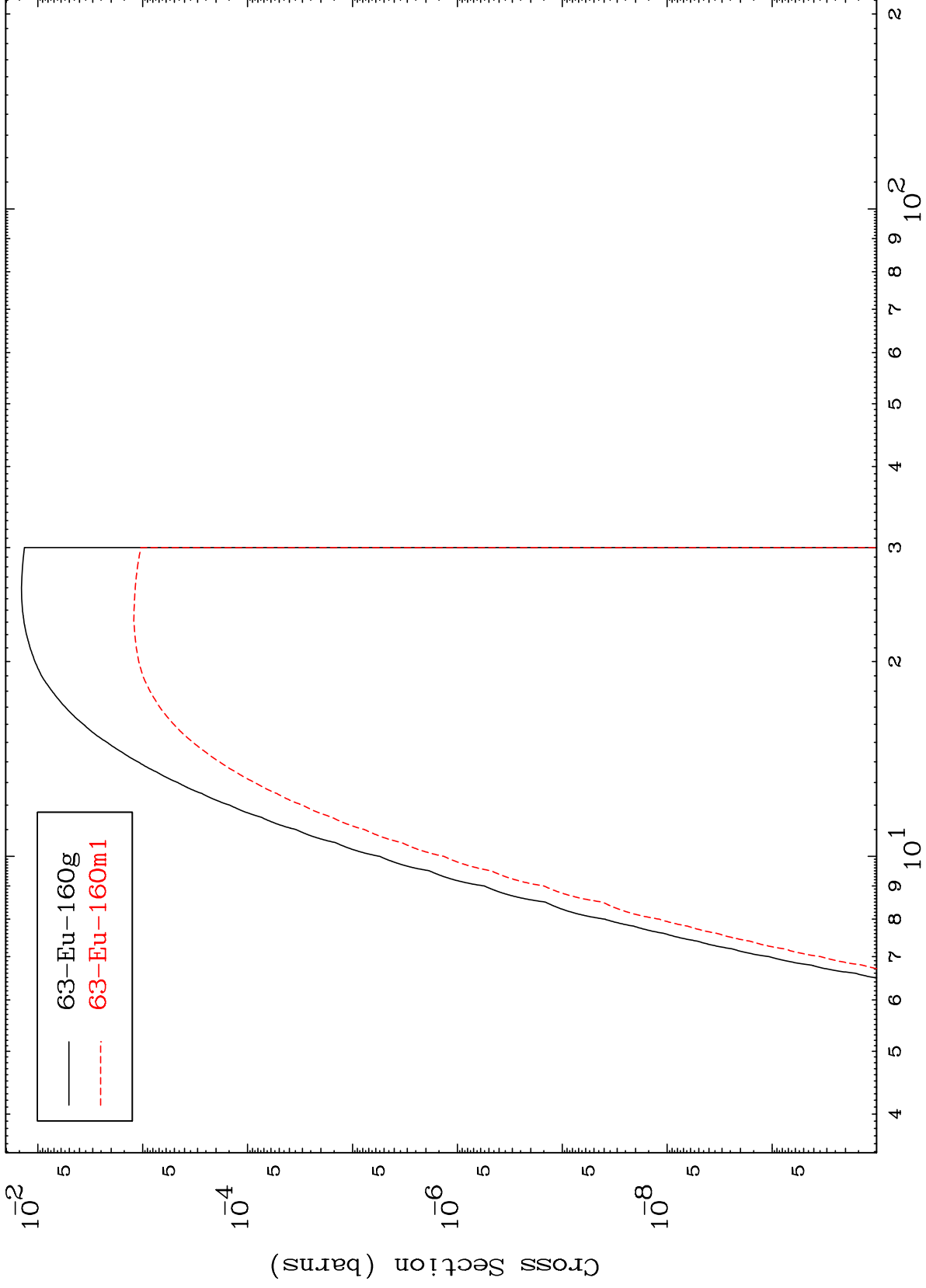
64-Gd-160



MAT 6449

64-Gd-160

(n,p)
Radionuclide Production Cross Section



130

Incident Energy (MeV)

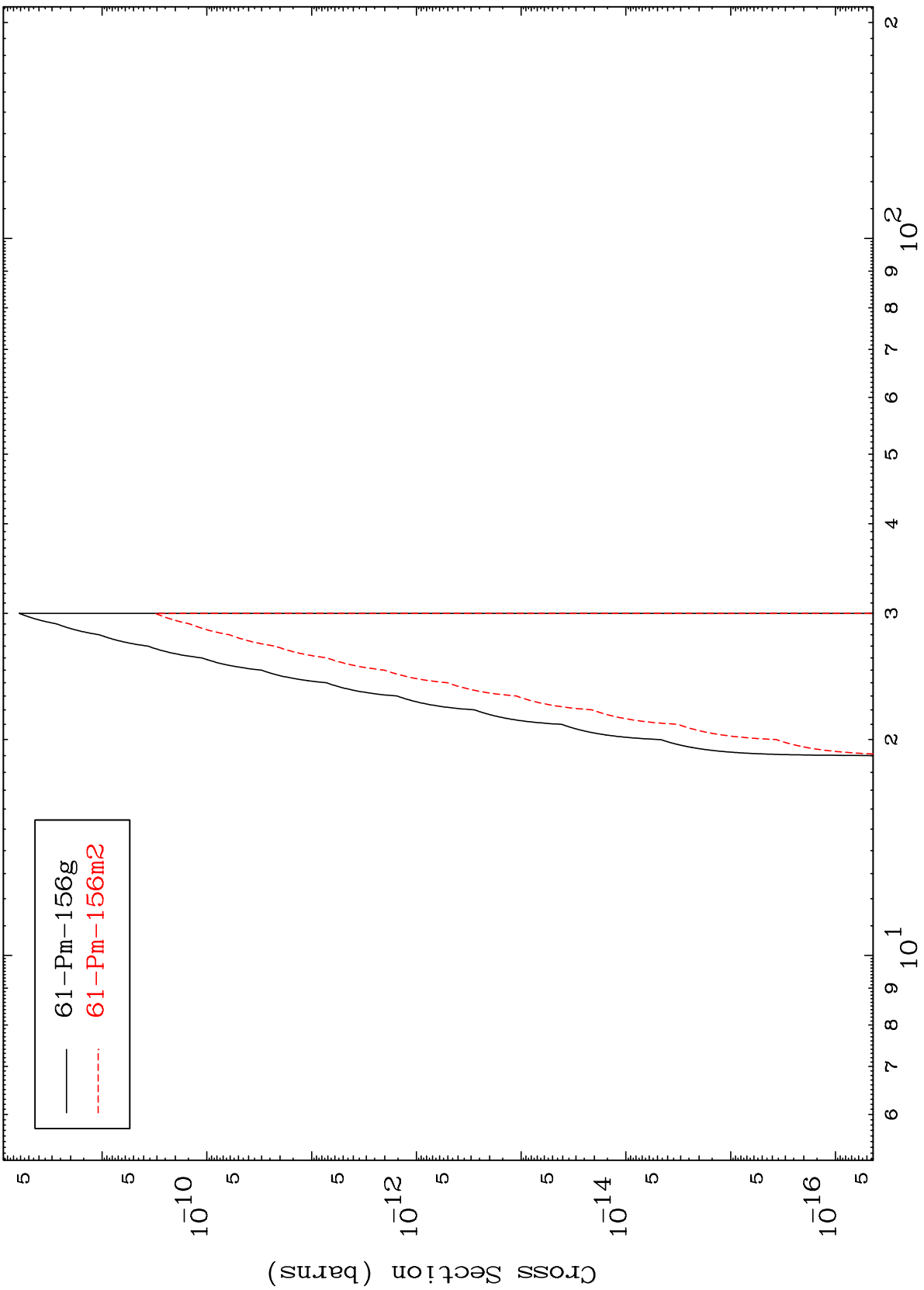
64-Gd-160

MAT 6449

(n,p) α

64-Gd-160

Radionuclide Production Cross Section



61-Pm-156g
61-Pm-156m2

131

Incident Energy (MeV)

64-Gd-160